

URBAN FOREST GARDEN BUILDING AND BUILDING GROUP AND METHOD FOR ARRANGING HANGING GREENERY PLATFORMS ON MULTILAYER STRUCTURE

5

CROSS-REFERENCE TO RELATED APPLICATION

[0001] This application claims priorities to Chinese Patent Application No. 201510271132.2 filed on May 25, 2015, Chinese Patent Application No. 201510849818.5 filed on November 26, 2015, and Chinese Patent Application No. 10 201520967160.3 filed on November 26, 2015, the disclosures of which are incorporated in their entirety by reference herein.

TECHNICAL FIELD

[0002] The present disclosure relates to the field of building design and 15 construction, in particular to an urban forest garden building, a building group and a method for arranging hanging greenery platforms on multilayer structures.

BACKGROUND

[0003] Recently, in a city, people will see such a boring scene consisting of 20 external walls of reinforced concrete buildings, and the buildings are isolated from the external natural environments, such as sunshine, air and sky, due to the external walls. Meanwhile, once people enter the building, it looks like that they are in a case, surrounded by walls and completely isolated from the external natural environments. Even if there is a garden terrace, it is narrow and small because it is at a level identical 25 to a floor where it is located. In addition, the people's vision is limited and insufficient

external light may enter the room. In fact, the building has the garden terrace in name only, and it is impossible to provide the building with an outdoor garden.

[0004] Along with the development of the city and the human civilization as well as the improvement of the living standards, it is impossible for the original
5 buildings to meet the environmental requirements and the comfort level.

SUMMARY

[0005] In view of the above technical problems, the present disclosure provides an urban forest garden building, a building group, and a method for arranging hanging
10 greenery platforms on multilayer structures.

[0006] In one aspect, the present disclosure provides in some embodiments an urban forest garden building, including odd-numbered floors, even-numbered floors, an external wall, and large-sized outdoor hanging greenery platforms arranged on the external wall in four directions. The large-sized outdoor hanging greenery platforms
15 include first hanging greenery platforms of the odd-numbered floors, second hanging greenery platforms of the odd-numbered floors, first hanging greenery platforms of the even-numbered floors, and second hanging greenery platforms of the even-numbered floors. Each odd-numbered floor includes a first apartment and a second apartment. The first hanging greenery platform of each odd-numbered floor
20 corresponding to the first apartment is arranged in a first direction, and the second hanging greenery platform of each odd-numbered floor corresponding to the second apartment is arranged in a second direction different from the first direction. Each

even-numbered floor includes a third apartment and a fourth apartment. The first hanging greenery platform of each even-numbered floor corresponding to the first apartment is arranged in a third direction, and the second hanging greenery platform of each even-numbered floor corresponding to the fourth apartment is arranged in a fourth direction different from the third direction. A high window or a laterally-opened window is arranged at the external wall of an upper floor located immediately above a current floor with the hanging greenery platform and facing one of the first hanging greenery platforms of the odd-numbered floors, the second hanging greenery platforms of the odd-numbered floors, the first hanging greenery platforms of the even-numbered floors and the second hanging greenery platforms of the even-numbered floors, and low windows or French windows are arranged at the external wall of the current floor which does not face one of the first hanging greenery platforms of the odd-numbered floors, the second hanging greenery platforms of the odd-numbered floors, the first hanging greenery platforms of the even-numbered floors and the second hanging greenery platforms of the even-numbered floors, and at the external wall of the current floor facing the hanging greenery platform of the current floor, so as to improve privacy.

[0007] In another aspect, the present disclosure provides in some embodiments a multi-apartment urban forest garden building, including odd-numbered floors, even-numbered floors, and an external wall. An upward two-story hanging greenery platform is arranged at the external wall corresponding to each apartment at each odd-numbered floor, and an upward two-story hanging greenery platform is arranged

at the external wall corresponding to each apartment at each even-numbered floor.

The hanging greenery platform for each apartment at each odd-numbered floor and

the hanging greenery platform for the apartment at the even-numbered floor located

immediately above or below the apartment at each odd-numbered floor are arranged

5 in a staggered manner or in different directions. For the apartment at each

odd-numbered floor and the apartment at the even-numbered floor located

immediately above or below the apartment at each odd-numbered floor, their sitting

rooms are opened to the respective hanging greenery platforms in different directions.

A shielding plate is arranged below the window at the external wall of an upper floor

10 located immediately above a current floor and facing one of the hanging greenery

platforms, so as to improve the privacy. Alternatively, a room at the upper floor

located immediately above the current floor and facing one of the hanging greenery

platforms is a utility room, or is provided with a high window.

[0008] Alternatively, each floor includes one, two, three, four, five or six

15 apartments, and the number, sizes and areas of the apartments at each floor are

adjustable.

[0009] In yet another aspect, the present disclosure provides in some

embodiments a building group including a plurality of the above-mentioned urban

forest garden buildings.

20 **[0010]** In yet another aspect, the present disclosure provides in some

embodiments a method for arranging hanging greenery platforms on a multilayer

structure. The multilayer structure includes odd-numbered floors, even-numbered

floors and an external wall, each odd-numbered floor includes a first apartment and a second apartment, each even-numbered floor includes a third apartment and a fourth apartment. The method includes: arranging large-sized outdoor hanging greenery platforms, which include first hanging greenery platforms (1a) of the odd-numbered floors, second hanging greenery platforms (2a) of the odd-numbered floors, first hanging greenery platforms (3a) of the even-numbered floors, and second hanging greenery platforms (4a) of the even-numbered floors, on the external wall in four directions, in such a manner that the first hanging greenery platform (1a) of each odd-numbered floor corresponding to the first apartment is arranged in a first direction, the second hanging greenery platform (2a) of each odd-numbered floor corresponding to the second apartment is arranged in a second direction different from the first direction, the first hanging greenery platform (3a) of each even-numbered floor corresponding to the third apartment is arranged in a third direction, and the second hanging greenery platform (4a) of each even-numbered floor corresponding to the fourth apartment is arranged in a fourth direction different from the third direction; arranging a high window or a laterally-opened window at the external wall of an upper floor located immediately above a current floor with the hanging greenery platform and facing one of the first hanging greenery platforms (1a) of the odd-numbered floors, the second hanging greenery platforms (2a) of the odd-numbered floors, the first hanging greenery platforms (3a) of the even-numbered floors and the second hanging greenery platforms (4a) of the even-numbered floors; and arranging low windows or French windows at the external wall of the current

floor which does not face one of the first hanging greenery platforms (1a) of the odd-numbered floors, the second hanging greenery platforms (2a) of the odd-numbered floors, the first hanging greenery platforms (3a) of the even-numbered floors and the second hanging greenery platforms (4a) of the even-numbered floors, and at the external wall of the current floor facing the hanging greenery platform of the current floor, so as to improve privacy.

[0011] Alternatively, the multilayer structure is an urban forest garden building.

[0012] According to the embodiments of the present disclosure, due to the novel external wall and the novel layout at each floor, it is able to completely utilize the whole external wall of the building, thereby to enable the gardens to be viewed from the outside, with the external wall being rarely exposed. As compared with the traditional building where a one-story garden is provided, it is able for the building with a two-story garden in the present disclosure to improve the spatial comfort degree, the natural lighting and the visual field. As compared with the traditional building where a two-story garden is provided but many windows are arranged above the garden, it is able for the building in the present disclosure to improve the privacy.

[0013] Due to the two-story outdoor garden, it is able to provide a large space for plants such as flowers and trees and provide a wide visual field. Even when people are living in a high-rise room, it is still able for them to step into the completely hanging greenery platform at any time.

BRIEF DESCRIPTION OF THE DRAWINGS

[0014] Fig.1 is a plan view showing arrangements of hanging greenery platforms on external walls of a building according to a first embodiment of the present disclosure;

5 **[0015]** Fig.2 is a plan view of a first floor of the building according to the first embodiment of the present disclosure;

[0016] Fig.3 is a schematic view showing apartments together with hanging greenery platforms at an odd-numbered floor according to the first embodiment of the present disclosure;

10 **[0017]** Fig.4 is a schematic view showing apartments together with hanging greenery platforms at an even-numbered floor according to the first embodiment of the present disclosure;

[0018] Fig.5 shows a building group including a plurality of buildings according to the first embodiment of the present disclosure;

15 **[0019]** Fig.6 is a schematic view showing a north (A) elevation of one building according to the first embodiment of the present disclosure;

[0020] Fig.7 is a schematic view showing north (A) elevation rendering of one building according to the first embodiment of the present disclosure;

[0021] Fig.8 is a plan view of the building (multi-apartment) with four
20 apartments at each floor according to a second embodiment of the present disclosure;

[0022] Fig.9 is a plan view of a first floor of the building (multi-apartment) with four apartments at each floor according to the second embodiment of the present disclosure;

[0023] Fig.10 is a plan view of an odd-numbered floor of the building (multi-apartment) with four apartments at each floor according to the second embodiment of the present disclosure;

[0024] Fig.11 is a plan view of an even-numbered floor of the building (multi-apartment) with four apartments at each floor according to the second embodiment of the present disclosure;

[0025] Fig.12 is a plan view of the building with two apartments at each floor according to the second embodiment of the present disclosure;

[0026] Fig.13 is a plan view of the building (multi-apartment) with three apartments at each floor according to the second embodiment of the present disclosure;

[0027] Fig.14 is a plan view of the building (multi-apartment) with six apartments at each floor according to the second embodiment of the present disclosure;

[0028] Figs.15A and 15B are schematic views showing a north-to-south elevation and an east-to-west elevation of the building (multi-apartment) with four apartments at each floor according to the second embodiment of the present disclosure;

[0029] Figs.16A and 16B are schematic views showing the building (multi-apartment) with four apartments at each floor after “hanging greenery platform” are provided according to the second embodiment of the present disclosure; and

[0030] Fig.17 is a plan view of a building group (community) including a plurality of buildings (multi-apartment) with four apartments at each floor according to the second embodiment of the present disclosure.

[0031] It should be appreciated that, although without the drawings concerning the buildings having one or five apartments at each floor, the number of the apartments at the odd-numbered floor or the even-numbered floor is not particularly defined herein. In addition, the number, the sizes and areas of the apartments at each floor may be adjustable in accordance with practical needs.

Reference Sign List

- 1a hanging greenery platform for first apartment at odd-numbered floor
- 2a hanging greenery platform for second apartment at odd-numbered floor
- 15 3a hanging greenery platform for first apartment at even-numbered floor
- 4a hanging greenery platform for second apartment at even-numbered floor
- 5a French window for master bedroom of first apartment at odd-numbered or even-numbered floor
- 6a French window for second master bedroom of first apartment at odd-numbered or even-numbered floor
- 20 or even-numbered floor
- 7a small window for kitchen and bathroom of first apartment at odd-numbered floor (a room immediately above the kitchen and bathroom is provided with a high

window, or a low window having a large shielding plate therebelow)

8a laterally-opened window for maid's room of first apartment at odd-numbered floor (a room immediately above the maid's room is provided with a window having a large shielding plate therebelow)

5 9a door-and-window for sitting room of first apartment at odd-numbered floor opened toward hanging greenery platform

10a laterally-opened window for secondary bedroom of first apartment at even-numbered floor (a room immediately above the secondary bedroom is provided with a window having a large shielding plate therebelow)

10 11a French window of master bedroom for second apartment at odd-numbered or even-numbered floor

12a French window of master bedroom for second apart at odd-numbered or even-numbered floor

13a window for bathroom of master bedroom and maid's room of second
15 apartment at odd-numbered floor (a room immediately above the bathroom of the master bedroom and the maid's room is provided with a high window, or a low window having a large shielding plate therebelow)

14a small laterally-opened window for kitchen of second apartment at odd-numbered floor (a room immediately above the kitchen is provided with a
20 window having a large shielding plate therebelow)

15a door-and-window for sitting room of second apartment at odd-numbered floor opened toward the hanging greenery platform

- 16a laterally-opened window for study or secondary bedroom of second apartment at even-numbered floor (a room immediately above the study or secondary bedroom is provided with a window having a large shielding plate therebelow)
- 17a main entrance of the building
- 5 18a door-and-window for sitting room of first apartment at even-numbered floor opened toward the hanging greenery platform
- 19a door-and-window for sitting room of second apartment at even-numbered floor opened toward the hanging greenery platform
- 20a main entrance of building group
- 10 21a side entrance of building group
- 22a another side entrance of building group
- 23a landscape
- 24a external wall column
- 25a bracket for supporting hanging greenery platform
- 15 26a outrigger
- 27a plants
- 28a high window for staircase
- 1b hanging greenery platform for first apartment at odd-numbered floor
- 2b hanging greenery platform for first apartment at even-numbered floor
- 20 3b hanging greenery platform for second apartment at even-numbered floor
- 4b hanging greenery platform for second apartment at odd-numbered floor
- 5b hanging greenery platform for third apartment at odd-numbered floor

- 6b hanging greenery platform for third apartment at even-numbered floor
- 7b hanging greenery platform for fourth apartment at even-numbered floor
- 8b hanging greenery platform for fourth apartment at odd-numbered floor
- 9b French window (natural lighting) for secondary bedroom
- 5 10b French window (natural lighting) for master bedroom
- 11b door-and-window for sitting room opened toward the hanging greenery platform
- 12b window for kitchen (a room immediately above the kitchen is provided with a high window, or a window having a shielding plate therebelow)
- 10 13b window for maid's room (a room immediately above maid's room is provided with a high window, or a window having a shielding plate therebelow)
- 14b window (natural lighting) for bathroom of master bedroom
- 15b shielding plate below a low window for a room immediately above the hanging greenery platform
- 15 16b main entrance at the first floor
- 17b window for master bedroom for third apartment at the first floor
- 18b bracket for supporting the hanging greenery platform
- 19b reinforced concrete floor slab of the hanging greenery platform
- 20b plants
- 20 21b main entrance for building group (community)
- 22b side entrance for building group (community)
- 23b landscape

DETAILED DESCRIPTION OF THE EMBODIMENTS

[0032] The present disclosure will be described hereinafter in conjunction with the drawings and embodiments. It should be appreciated that, the following embodiments are for illustrative purposes only, but shall not be used to limit the scope
5 of the present disclosure.

[0033] First Embodiment

[0034] Referring to Figs.1 to 7, the present disclosure provides in this embodiment an urban forest garden building, which includes odd-numbered floors, even-numbered floors, an external wall, and four large-sized outdoor hanging
10 greenery platforms arranged on the external wall in four directions.

[0035] The four large-sized outdoor hanging greenery platforms include first hanging greenery platforms 1a of the odd-numbered floors, second hanging greenery platforms 2a of the odd-numbered floors, first hanging greenery platforms 3a of the even-numbered floors, and second hanging greenery platforms 4a of the
15 even-numbered floors.

[0036] Each odd-numbered floor includes a first apartment and a second apartment. The first hanging greenery platform 1a of each odd-numbered floor corresponding to the first apartment is arranged in a first direction, and the second hanging greenery platform 2a of each odd-numbered floor corresponding to the
20 second apartment is arranged in a second direction different from the first direction.

[0037] Each even-numbered floor includes a third apartment and a fourth apartment. The first hanging greenery platform 3a of each even-numbered floor

corresponding to the first apartment is arranged in a third direction, and the second hanging greenery platform 4a of each even-numbered floor corresponding to the fourth apartment is arranged in a fourth direction different from the third direction.

[0038] A high window or a laterally-opened window is arranged at the external

5 wall of an upper floor located immediately above a current floor with the hanging greenery platform and facing one of the first hanging greenery platforms 1a of the odd-numbered floors, the second hanging greenery platforms 2a of the odd-numbered floors, the first hanging greenery platforms 3a of the even-numbered floors and the second hanging greenery platforms 4a of the even-numbered floors, and low windows
10 or French windows are arranged at the external wall of the current floor which does not face one of the first hanging greenery platforms 1a of the odd-numbered floors, the second hanging greenery platforms 2a of the odd-numbered floors, the first hanging greenery platforms 3a of the even-numbered floors and the second hanging greenery platforms 4a of the even-numbered floors, and at the external wall of the
15 current floor facing the hanging greenery platform of the current floor, so as to improve privacy.

[0039] Referring to Figs.1 to 4, the first apartment at each odd-numbered floor

is arranged immediately above or below, and identical to, the third apartment at each even-numbered floor, and the second apartment at each odd-numbered floor is
20 arranged immediately above or below, and identical to, the fourth apartment at each even-numbered floor.

[0040] Referring to Figs.1 to 4, the first hanging greenery platform 1a of the odd-numbered floor, the second hanging greenery platform 2a of the odd-numbered floor, the first hanging greenery platform 3a of the even-numbered floor and the second hanging greenery platform 4a of the even-numbered floor are arranged in a staggered manner or in different directions.

[0041] When the lower window or French window, rather than the high window, is arranged at the external wall of the upper floor located immediately above the current floor with the hanging greenery platform and facing one of the first hanging greenery platforms 1a of the odd-numbered floors, the second hanging greenery platforms 2a of the odd-numbered floors, the first hanging greenery platforms 3a of the even-numbered floors and the second hanging greenery platforms 4a of the even-numbered floors, a large shielding plate may be arranged below the window, so as to improve the privacy.

[0042] Referring to Figs.6 and 7, each of the first hanging greenery platforms 1a of the odd-numbered floors, the second hanging greenery platforms 2a of the odd-numbered floors, the first hanging greenery platforms 3a of the even-numbered floors and the second hanging greenery platforms 4a of the even-numbered floors is of a height identical to a two-story height of the urban forest garden building.

[0043] Referring to Fig.6, each of the first hanging greenery platforms 1a of the odd-numbered floors, the second hanging greenery platforms 2a of the odd-numbered floors, the first hanging greenery platforms 3a of the even-numbered floors and the second hanging greenery platforms 4a of the even-numbered floors is of

a structure including an external wall column 24a, a bracket 25a for supporting the hanging greenery platform, an outrigger 26a, and floorslabs laid thereon. Each hanging greenery platform extends outward from the external wall by 1 to 20 meters, and has a width of 1 to 30 meters, so as to substantially cover the external wall.

5 **[0044]** Referring to Fig.7, plants 27a grow in each of the first hanging greenery platforms 1a of the odd-numbered floors, the second hanging greenery platforms 2a of the odd-numbered floors, the first hanging greenery platforms 3a of the even-numbered floors and the second hanging greenery platforms 4a of the even-numbered floors. At this point, the entire urban forest garden building looks like
10 a mountain with verdant trees (as shown in Fig.7).

[0045] Referring again to Figs.1 to 4, the first apartment at each odd-numbered floor is provided with a door-and-window 9a (as shown in Fig. 3) opened to the first hanging greenery platform 1a of the odd-numbered floor, the second apartment at each odd-numbered floor is provided with a door-and-window 15a (as shown in Fig. 3)
15 opened to the second hanging greenery platform 2a of the odd-numbered floor, the third apartment at each even-numbered floor is provided with a door-and-window 18a (as shown in Fig. 4) opened to the first hanging greenery platform 3a of the even-numbered floor, and the fourth apartment at each even-numbered floor is provided with a door-and-window 19a (as shown in Fig. 4) opened to the second
20 hanging greenery platform 4a of the even-numbered floor.

[0046] In another embodiment of the present disclosure, with respect the first apartment, the second apartment, the third apartment or the fourth apartment, the

door-and-window (9a, 15a in Fig.3 and 18a, 19a in Fig.4) for the sitting room is arranged in a direction identical to the hanging greenery platform corresponding to the apartment. A window (5a, 5a, 11a, 12a in Fig.1) for a master bedroom of the apartment is not opened to hanging greenery platform. A window (8a, 10a, 14a, 16a in Fig.1) for a secondary bedroom or study room is arranged laterally. A room at the upper floor located immediately above the current floor and facing the hanging greenery platform is set as an auxiliary room, e.g., kitchen, maid's room or bathroom, and provided with a high window (7a, 13a, 28a in Fig.1).

[0047] Referring to Fig.5, the present disclosure further provides in this embodiment a building group including a plurality of the urban forest garden buildings. When viewed from a distance, the entire building group looks like a forest. Fig.5 shows positions of a main entrance 20a, a side entrance 21a, 22a and a landscape 23a for the building group (community). It should be appreciated that, the positions thereof are not particularly defined herein.

[0048] Alternatively, the urban forest garden building may be any one of guesthouse, restaurant, hotel, office building and residential building.

[0049] Second Embodiment

[0050] In this embodiment, the urban forest garden building includes odd-numbered floors, even-numbered floors, and an external wall. An upward two-story hanging greenery platform is arranged at the external wall corresponding to each apartment at each odd-numbered floor, and an upward two-story hanging greenery platform is arranged at the external wall corresponding to each apartment at

each even-numbered floor. The hanging greenery platform for each apartment (tenement) at each odd-numbered floor and the hanging greenery platform for the apartment (tenement) at the even-numbered floor located immediately above or below the apartment at each odd-numbered floor are arranged in a staggered manner or in
5 different directions. For the apartment (tenement) at each odd-numbered floor and the apartment (tenement) at the even-numbered floor located immediately above or below the apartment at each odd-numbered floor, their sitting rooms are opened to the respective hanging greenery platforms in different directions.

[0051] Alternatively, each floor includes one, two, three, four, five or six
10 apartments. It should be appreciated that, the number of the apartments at each floor is not particularly defined herein.

[0052] Referring to Fig.8, each odd-numbered floor or even-numbered floor includes four apartments, and each apartment corresponds to a hanging greenery platform. To be specific, the hanging greenery platforms include hanging greenery
15 platforms 1b for the first apartments at the odd-numbered floors, hanging greenery platforms 2b for the first apartments at the even-numbered floors, hanging greenery platforms 3b for the second apartments at the even-numbered floors, hanging greenery platforms 4b for the second apartments at the odd-numbered floors, hanging greenery
platforms 5b for the third apartments at the odd-numbered floors, hanging greenery
20 platforms 6b for the third apartments at the even-numbered floors, hanging greenery platforms 7b for the fourth apartments at the even-numbered floors, and hanging greenery platforms 8b for the fourth apartments at the odd-numbered floors.

[0053] Referring again to Fig.8, each apartment at the even-numbered floor may be provided with a French window 9b (natural lighting) for the secondary bedroom, a French window 10b (natural lighting) for the master bedroom, and a window 14b (natural lighting) for the bathroom of the master bedroom.

5 **[0054]** Referring again to Fig.8, each apartment at the odd-numbered floor may be provided with a door-and-window 11b for the sitting room opened to the hanging greenery platform, a window 12b for the kitchen (a room immediately above the kitchen is provided with a high window, or a window having a shielding plate therebelow), a window 13b for maid's room (a room immediately above the maid's
10 room is provided with a high window, or a window having a shielding plate therebelow), and a shielding plate 15b below a low window for a room immediately above the hanging greenery platform.

[0055] Fig.9 shows a position of a main entrance 16b at the first floor for the building with four apartments at each floor as well as a position of a window 17b for
15 the master bedroom of the apartment C at the first floor.

[0056] Fig.10 is a plan view of the odd-numbered floor with four apartments. The odd-numbered floor includes the hanging greenery platform 1b for the first apartment, the hanging greenery platform 4b for the second apartment, the hanging greenery platform 5b for the third apartment and the hanging greenery platform 8b for
20 the fourth apartment.

[0057] Fig.11 is a plan view of the even-numbered floor with four apartments. The even-numbered floor includes the hanging greenery platform 2b for the first

apartment, the hanging greenery platform 3b for the second apartment, the hanging greenery platform 6b for the third apartment and the hanging greenery platform 7b for the fourth apartment.

[0058] Figs.12 to 14 are plan views of the building with two apartments, three
5 apartments and six apartments at each floor, respectively. It should be appreciated that, the number of the apartments at each odd-numbered floor and at each even-numbered floor is not particularly defined herein.

[0059] Referring to Figs.15A and 15B, each of the hanging greenery platforms of the odd-numbered floors and the hanging greenery platforms of the even-numbered
10 floors is of a structure including a bracket and an outrigger. To be specific, the structure includes an external wall column (not shown), a bracket 18b for supporting the hanging greenery platform, an upstand beam (not shown), an outrigger (not shown), and a reinforced concrete floorslab 19b laid at the bottom of the upstand beam and the outrigger. In this embodiment, the number of the odd-numbered floors
15 and the even-numbered floors is set in accordance with the desired height of the building, and the number of the hanging greenery platforms is set in accordance with the height of the building and the number of the apartments.

[0060] Referring to Figs.16A and 16B, the floorslab for each of the hanging greenery platforms of the odd-numbered floors and the hanging greenery platforms of
20 the even-numbered floors is of a sunken type and has an upstand beam, so that the floorslab may be covered with soil for the plants 20b. In addition, each hanging

greenery platform may be provided with an automatic trickling or sprinkling system and a drainage system.

[0061] Fig.17 shows positions of a main entrance 21b, a side entrance 22b and a landscape 23b for the building group (community) with four apartments at each floor. It should be appreciated that, the positions thereof are not particularly defined herein.

[0062] Alternatively, a shielding plate is arranged below the window at the external wall of an upper floor located immediately above a current floor and facing one of the hanging greenery platforms, so as to improve the privacy.

10 **[0063]** Alternatively, a room at the upper floor located immediately above the current floor and facing one of the hanging greenery platforms is a utility room, or is provided with a high window.

[0064] Third Embodiment

[0065] The present disclosure provides in this embodiment a building group including a plurality of the urban forest garden buildings in the second embodiment. The urban forest garden building may be any one of guesthouse, restaurant, hotel, office building and residential building.

[0066] The above are merely the preferred embodiments of the present disclosure. It should be appreciated that, a person skilled in the art may make further modifications and improvements without departing from the principle of the present disclosure, and these modifications and improvements shall also fall within the scope of the present disclosure.

What is claimed is:

1. An urban forest garden building, comprising odd-numbered floors, even-numbered floors, an external wall, and large-sized outdoor hanging greenery platforms arranged on the external wall in four directions; wherein the large-sized
5 outdoor hanging greenery platforms comprise first hanging greenery platforms (1a) of the odd-numbered floors, second hanging greenery platforms (2a) of the odd-numbered floors, first hanging greenery platforms (3a) of the even-numbered floors, and second hanging greenery platforms (4a) of the even-numbered floors;

wherein each odd-numbered floor comprises a first apartment and a second
10 apartment, the first hanging greenery platform (1a) of each odd-numbered floor corresponding to the first apartment is arranged in a first direction, and the second hanging greenery platform (2a) of each odd-numbered floor corresponding to the second apartment is arranged in a second direction different from the first direction;

each even-numbered floor comprises a third apartment and a fourth apartment,
15 the first hanging greenery platform (3a) of each even-numbered floor corresponding to the third apartment is arranged in a third direction, and the second hanging greenery platform (4a) of each even-numbered floor corresponding to the fourth apartment is arranged in a fourth direction different from the third direction; and

a high window or a laterally-opened window is arranged at the external wall of
20 an upper floor located immediately above a current floor with the hanging greenery platform and facing one of the first hanging greenery platforms (1a) of the odd-numbered floors, the second hanging greenery platforms (2a) of the

odd-numbered floors, the first hanging greenery platforms (3a) of the even-numbered floors and the second hanging greenery platforms (4a) of the even-numbered floors; and low windows or French windows are arranged at the external wall of the current floor which does not face one of the first hanging greenery platforms (1a) of the
5 odd-numbered floors, the second hanging greenery platforms (2a) of the odd-numbered floors, the first hanging greenery platforms (3a) of the even-numbered floors and the second hanging greenery platforms (4a) of the even-numbered floors, and at the external wall of the current floor facing the hanging greenery platform of the current floor, so as to improve privacy;

10 wherein when the lower window or French window, rather than the high window, is arranged at the external wall of the upper floor located immediately above the current floor with the hanging greenery platform and facing one of the first hanging greenery platforms (1a) of the odd-numbered floors, the second hanging greenery platforms (2a) of the odd-numbered floors, the first hanging greenery
15 platforms (3a) of the even-numbered floors and the second hanging greenery platforms (4a) of the even-numbered floors, a large shielding plate is arranged below the low window or French window, so as to improve the privacy.

2. The urban forest garden building according to claim 1, wherein the first
20 apartment at each odd-numbered floor is arranged immediately above or below, and identical to, the third apartment at each even-numbered floor; and the second

apartment at each odd-numbered floor is arranged immediately above or below, and identical to, the fourth apartment at each even-numbered floor.

3. The urban forest garden building according to claim 1, wherein the first
5 hanging greenery platform (1a) of the odd-numbered floor, the second hanging
greenery platform (2a) of the odd-numbered floor, the first hanging greenery platform
(3a) of the even-numbered floor and the second hanging greenery platform (4a) of the
even-numbered floor are arranged in a staggered manner or in different directions.

4. The urban forest garden building according to claim 1, wherein the first hanging greenery platforms (1a) of the odd-numbered floor, the second hanging greenery platforms (2a) of the odd-numbered floor, the first hanging greenery platforms (3a) of the even-numbered floor and the second hanging greenery platforms (4a) of the even-numbered floor are each of a height identical to a two-story height of the urban forest garden building.

5. The urban forest garden building according to claim 1, wherein the first hanging greenery platform (1a) of the odd-numbered floor, the second hanging greenery platform (2a) of the odd-numbered floor, the first hanging greenery platform (3a) of the even-numbered floor and the second hanging greenery platform (4a) of the even-numbered floor are each of a structure comprising an external wall column (24a), a bracket (25a) for supporting the hanging greenery platform, an outrigger (26a), and a floorslab laid on the outrigger (26a).

15

6. The urban forest garden building according to claim 1, wherein plants (27a) grow in each of the first hanging greenery platforms (1a) of the odd-numbered floor, the second hanging greenery platforms (2a) of the odd-numbered floor, the first hanging greenery platforms (3a) of the even-numbered floor and the second hanging greenery platforms (4a) of the even-numbered floor.

20

7. The urban forest garden building according to claim 1, wherein a door-and-window (9a) is arranged at the external wall for the first apartment at each odd-numbered floor and opened toward the first hanging greenery platform (1a) of the odd-numbered floor; a door-and-window (15a) is arranged at the external wall for the second apartment at each odd-numbered floor and opened toward the second hanging greenery platform (2a) of the odd-numbered floor; a door-and-window (18a) is arranged at the external wall for the third apartment at each even-numbered floor and opened toward the first hanging greenery platform (3a) of the even-numbered floor; and a door-and-window (19a) is arranged at the external wall for the fourth apartment at each even-numbered floor and opened toward the second hanging greenery platform (4a) of the even-numbered floor.

8. The urban forest garden building according to claim 1, wherein a door-and-window for a sitting room of the first apartment, the second apartment, the third apartment or the fourth apartment is arranged in a direction identical to the hanging greenery platform corresponding to the apartment, and a room at the upper floor located immediately above the current floor and facing the hanging greenery platform is set as an auxiliary room and provided with a high window.

9. An urban forest garden building, comprising odd-numbered floors, even-numbered floors, and an external wall;

wherein an upward two-story hanging greenery platform is arranged at the external wall corresponding to each apartment at each odd-numbered floor, an upward
5 two-story hanging greenery platform is arranged at the external wall corresponding to each apartment at each even-numbered floor;

wherein the hanging greenery platform for each apartment at each odd-numbered floor and the hanging greenery platform for the apartment at the even-numbered floor located immediately above or below the apartment at each
10 odd-numbered floor are arranged in a staggered manner or in different directions;

wherein a window is arranged at the external wall of an upper floor located immediately above a current floor with one of the hanging greenery platforms, and facing one of the hanging greenery platforms;

a shielding plate is arranged below the window at the external wall of the
15 upper floor located immediately above the current floor and facing one of the hanging greenery platforms, so as to improve the privacy.

10. The urban forest garden building according to claim 9, wherein each odd-numbered floor or even-numbered floor comprises one, two, three, four, five or
20 six apartments.

11. The urban forest garden building according to claim 9, wherein for the apartment at each odd-numbered floor and the apartment at the even-numbered floor located immediately above or below the apartment at each odd-numbered floor, their sitting rooms are opened to the respective hanging greenery platforms in different
5 directions.

12. The urban forest garden building according to claim 9, wherein a room at the upper floor located immediately above the current floor and facing one of the hanging greenery platforms is a utility room, or is provided with a high window.
10

13. The urban forest garden building according to claim 9, wherein the number of the odd-numbered floors and the even-numbered floors is set in accordance with the desired height of the urban forest garden building, and the hanging greenery platforms are set in accordance with a height of the urban forest garden building and
15 the number of the apartments.

14. The urban forest garden building according to claim 9, wherein the floorslab for each of the hanging greenery platforms of the odd-numbered floors and the hanging greenery platforms of the even-numbered floors is of a sunken type and has an upstand beam, so that the floorslab is covered with soil for plants.

5

15. The urban forest garden building according to claim 9, wherein the hanging greenery platforms of the odd-numbered floors and the even-numbered floors are each of a structure comprising an external wall column, a bracket for supporting the hanging greenery platform, an upstand beam, an outrigger, and a reinforced concrete floorslab laid at the bottom of the upstand beam and the outrigger.

10

16. A building group, comprising a plurality of urban forest garden buildings according to claim 1.

17. A building group, comprising a plurality of urban forest garden buildings according to claim 9.

15

18. A method for arranging hanging greenery platforms on a multilayer structure, wherein the multilayer structure comprises odd-numbered floors, even-numbered floors and an external wall, each odd-numbered floor comprises a first apartment and a second apartment, each even-numbered floor comprises a third apartment and a fourth apartment;

20

wherein the method comprises:

arranging large-sized outdoor hanging greenery platforms, which comprise first hanging greenery platforms (1a) of the odd-numbered floors, second hanging greenery platforms (2a) of the odd-numbered floors, first hanging greenery platforms (3a) of the even-numbered floors, and second hanging greenery platforms (4a) of the even-numbered floors, on the external wall in four directions, in such a manner that the first hanging greenery platform (1a) of each odd-numbered floor corresponding to the first apartment is arranged in a first direction, the second hanging greenery platform (2a) of each odd-numbered floor corresponding to the second apartment is arranged in a second direction different from the first direction, the first hanging greenery platform (3a) of each even-numbered floor corresponding to the third apartment is arranged in a third direction, and the second hanging greenery platform (4a) of each even-numbered floor corresponding to the fourth apartment is arranged in a fourth direction different from the third direction;

arranging a high window or a laterally-opened window at the external wall of an upper floor located immediately above a current floor with the hanging greenery platform and facing one of the first hanging greenery platforms (1a) of the odd-numbered floors, the second hanging greenery platforms (2a) of the odd-numbered floors, the first hanging greenery platforms (3a) of the even-numbered floors and the second hanging greenery platforms (4a) of the even-numbered floors, and arranging a shielding plate below the high window or the laterally-opened window which is arranged at the external wall of the upper floor located immediately

above the current floor with the hanging greenery platform and facing one of the first hanging greenery platforms (1a) of the odd-numbered floors, the second hanging greenery platforms (2a) of the odd-numbered floors, the first hanging greenery platforms (3a) of the even-numbered floors and the second hanging greenery
5 platforms (4a) of the even-numbered floors, so as to improve the privacy; and

arranging low windows or French windows at the external wall of the current floor which does not face one of the first hanging greenery platforms (1a) of the odd-numbered floors, the second hanging greenery platforms (2a) of the odd-numbered floors, the first hanging greenery platforms (3a) of the even-numbered floors and the second hanging greenery platforms (4a) of the even-numbered floors, and at the external wall of the current floor facing the hanging greenery platform of the current floor, so as to improve privacy.