CLAIMS

What is claimed is:

1. A base station (1), adapted for cooperating with a cleaning robot (2) having a mop member (22111) that is configured to mop a floor, the base station (1) comprising a base station body (10) and a mop member cleaning device (11) arranged on the base station body (10), and the mop member cleaning device (11) being configured to clean the mop member (22111);

wherein, the base station (1) further comprises a scraping and blocking member (117) disposed at an entrance of a cleaning notch (111) or on a guiding surface (116) that is inclined downward from the mop member cleaning device (11) and extends to the floor, the scraping and blocking member (117) is configured to prevent cleaning fluid from splashing during the process of the mop member cleaning device (11) cleaning the mop member (22111);

wherein, the scraping and blocking member (117) is further configured to scrape rubbish off the mop member (22111) before the mop member (22111) gets in the mop member cleaning device (11).

2. The base station (1) of claim 1, wherein, the mop member cleaning device (11) comprises the cleaning notch (111) configured to place the mop member (22111) during the process of the mop member cleaning device (11) cleaning the mop member (22111).

3. The base station (1) of claim 2, wherein, the mop member cleaning device (11) further comprises a fluid inlet structure (113), cleaning fluid for cleaning the mop member (22111) is allowed to enter the cleaning notch (111) through the fluid inlet structure (113) and be sprayed on the mop member (22111); and/or, the mop member cleaning device (11) further comprises a fluid discharge structure (114), the cleaning fluid after cleaning the mop member (22111) is allowed to be discharged outside of the cleaning notch (111) through the fluid discharge structure (114).

4. The base station (1) of claim 1, wherein, the scraping and blocking member (117) is flexible or rigid.

5. The base station (1) of claim 1, wherein, the base station (1) further comprises a guiding structure defined on the mop member cleaning device (11), the guiding structure is configured to guide the cleaning robot (2) to move relative to the mop member cleaning device (11), to allow the mop member (22111) to get in and out the mop member cleaning device (11).

6. The base station (1) of claim 5, wherein, the guiding structure comprises the guiding surface (116); and, the guiding structure comprises an upwardly projected guiding wheel (119); and/or, the guiding structure comprises a guiding plate (115) defined at a lateral side of the mop member cleaning device (11).

7. The base station (1) of claim 6, wherein, the guiding structure comprises the guiding surface (116) and the guiding wheel (119), the guiding wheel (119) is arranged on the guiding surface (116).

8. The base station (1) of claim 6, wherein, the scraping and blocking member (117) is disposed on the guiding surface (116).

9. A cleaning robot system, comprising a cleaning robot (2), the cleaning robot (2) comprising a moving device (21) that is configured to drive the cleaning robot (2) to move on floor, and a cleaning device (22) that is configured to clean the floor, the cleaning device (22) comprising a mop device (221), the mop device (221) comprising at least one mop unit (2211), the at least one mop unit (2211) comprising a mop member (22111) that is configured to mop the floor, wherein, the cleaning robot system further comprises a base station (1) according to any of claims 1-8.

10. The cleaning robot system of claim 9, wherein, the cleaning robot system further comprises a lifting mechanism (24), the lifting mechanism (24) is arranged on the cleaning robot (2) and/or the base station (1), the lifting mechanism (24) is configured to lift a forward end and/or a rearward end of the cleaning robot (2).

11. The cleaning robot system of claim 9 or 10, wherein, the moving device (21) comprises a moving wheel (211), the cleaning robot (2) comprises a suspension device and a chassis (202), the suspension device is arranged at the moving wheel (211) for elastically connecting the moving wheel (211) and the chassis (202) to keep the moving wheel (211) in contact with the floor.

12. The cleaning robot system according to claim 9 or 10, wherein, the mop device (221) further comprises a mop drive mechanism (2212), the cleaning robot (2) comprises a chassis (202), the mop drive mechanism (2212) is configured to drive the mop member (22111) of the mop unit (2211) to rotate relative to the chassis (202), and/or, the mop drive mechanism (2212) is configured to drive the mop member (22111) of the mop unit (2211) to horizontally reciprocate relative to the chassis (202).

13. The cleaning robot system of claim 12, wherein, an amount of the at least one mop unit (2211) is one, the mop drive mechanism (2212) is configured to drive the mop member (22111) of the mop unit (2211) to rotate and/or horizontally reciprocate relative to the chassis (202).

14. The cleaning robot system of claim 12, wherein, an amount of the at least one mop unit (2211) is two, that is, two mop units (2211) are included, the mop drive mechanism (2212) is configured to drive the mop members (22111) of the two mop units (2211) to rotate around a vertical axis; wherein, the mop members (22111) of the two mopping units (2211) are rotatable in a same direction or in opposite directions around the vertical axis relative to the chassis (202), or, the mop members (22111) of the two mopping units (2211) are alternately rotatable in the same direction or in

opposite directions around the vertical axis relative to the chassis (202).