CLAIMS

1. System for dynamically managing the surroundings of a public space such as a railway station or an underground station comprising:

- a plurality of sensors, referred to as environment sensors (11, 12, 13, 14), configured to provide information representative of an environment of said public space, referred to as environment information, said environment sensors (11, 12, 13, 14) being intended to be positioned in said public space and/or in the immediate vicinity thereof,
- a plurality of devices for emitting physical signals that can be parameterised to form stimuli that can be perceived by at least one sensory receptor of the users of said public space, referred to as ambient devices (31, 32, 33, 34, 35), said ambient devices being intended to be positioned in said public space and/or in the immediate vicinity thereof,
- a unit (20) for processing said environment information configured to receive and analyse said environment information and to determine and supply parameterisation signals to said ambient devices (31, 32, 33, 34, 35) which are based on said environment information, so as to be able to provide said public space with an ambience tailored to said environment of said public space,

characterised in that

- at least one environment sensor is an outside temperature sensor (12) intended to be positioned outside said public space and configured to provide, by way of environment information, the ambient outside temperature,
- at least one environment sensor is a brightness sensor (13) intended to be positioned outside said public space and configured to provide, by way of environment information, the outside brightness,
- at least one ambient device is an interior lighting device (35) intended to be positioned in a waiting area of said public space and

configured to be able to emit on command a light of a colour selected from a plurality of predetermined colours,

– said processing unit (20) is configured to provide at least one lighting device of said waiting area with a control signal, which is based on said outside temperature and on said outside brightness, and which determines the colour and intensity of the light of said interior lighting device (35),

the outside temperature sensor (12) and the outside brightness sensor (13) being at a distance from the interior lighting device (35).

2. System according to claim 1, wherein:

- at least one environment sensor is a density sensor (11) intended to be positioned in a given area of said public space and configured to provide, by way of environment information, the density of users in said given area,

– at least one ambient device is an outside lighting device (31) intended to be positioned outside said public space and configured to be able to emit on command a light of a colour selected from a plurality of predetermined colours,

– said processing unit (20) is configured to provide at least one lighting device (31) with a control signal, which is based on said user density, and which determines the colour of the light of said lighting device (31).

3. System according to either claim 1 or claim 2, wherein:

– at least one environment sensor is a sensor that detects train arrivals and departures in said public space,

– at least one ambient device is an illuminated water-jet fountain (32) intended to be positioned outside said public space, and configured to be able to emit on command illuminated water jets of at least one colour selected from a plurality of predetermined colours and of a height selected from a plurality of predetermined heights,

– said processing unit (20) is configured to provide at least one illuminated water-jet fountain with a control signal, which is based on said train arrivals and departures, and which determines the height and colour of the jets of said fountain.

4. System according to any of claims 1 to 3, wherein:

– at least one environment sensor is a density sensor (11) intended to be positioned in a user circulation space in said public space and configured to provide, by way of environment information, the user density in said space,

– at least one ambient device is an interior lighting device intended to be positioned in said circulation space and configured to be able to emit on command a light of a colour selected from a plurality of predetermined colours,

– said processing unit (20) is configured to provide at least one lighting device with a control signal, which is based on said user density, and which determines the colour and intensity of the light of said interior lighting device.

5. System according to any of claims 1 to 4, wherein:

- at least one environment sensor is a density sensor (11) intended to be positioned in a user circulation space in said public space and configured to provide, by way of environment information, the user density in said circulation space, said circulation space further comprising alternating absorbent acoustic materials (41) and reflective acoustic materials (42) along the length of said circulation space,
- at least one ambient device is a pair of interior lighting devices (35a, 35b) intended to be positioned in the vicinity of an absorbent acoustic material (41) and of a reflective acoustic material (42) respectively in said circulation space,
- said processing unit (20) is configured to provide at least one pair of

interior lighting devices (35a, 35b) with a control signal, which provides a contrast in brightness between the two lighting devices, said contrast being based on said user density in said circulation space.

6. System according to any of claims 1 to 5, wherein:

- at least one environment sensor is a density sensor (11) intended to be positioned in a given area of said public space and configured to provide, by way of environment information, the user density in said given area,
- at least one environment sensor is a sensor for determining an ambient sound level and intended to be positioned in said given area of said public space,
- at least one ambient device is a device for emitting public address announcements (33) for users present in said given area of said public space,
- said processing unit (20) is configured to provide at least one announcement emitting device with a control signal which determines the sound level of the public address announcements broadcast by said emission device which is based on said user density in said given area and on the ambient sound level of said given area.

7. System according to any of claims 1 to 6, wherein:

- at least one environment sensor is a density sensor (11) intended to be positioned in a given area of said public space and configured to provide, by way of environment information, the user density in said given area,
- at least one ambient device is an air ventilation device (34), intended to be positioned in said given area of said public space,

said processing unit (20) is configured to provide at least one ventilation device with a control signal, which determines a level of ventilation by said ventilation device which is based on said user density in said given area.