



(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
10.08.2016 Bulletin 2016/32

(51) Int Cl.:
F24F 13/14 ^(2006.01) **A62C 2/06** ^(2006.01)
F16K 17/00 ^(2006.01) **F24F 13/02** ^(2006.01)
F24F 13/06 ^(2006.01)

(21) Application number: **16154771.6**

(22) Date of filing: **09.02.2016**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
 Designated Extension States:
BA ME
 Designated Validation States:
MA MD

(71) Applicant: **Zambolin, Marco**
28010 Veruno (NO) (IT)

(72) Inventor: **Zambolin, Marco**
28010 Veruno (NO) (IT)

(74) Representative: **Ponzellini, Gianmarco**
PGA S.r.l.
Via Mascheroni, 31
20145 Milano (IT)

(30) Priority: **09.02.2015 IT MI20150181**

(54) **AIR TREATMENT PLANT, METHOD FOR TREATING AIR AND USE OF SAID PLANT**

(57) Air treatment plant (1) comprising a channeling (2) and a ventilation system (100) configured for selectively generating inside the channeling itself an overpressure and/or a negative pressure, the channeling (2) having: a predetermined number of transfer conduits (3) and a predetermined number of supply conduits (4) fluidically communicating with the transfer conduits (3) and configured for admitting treated air in an environment through a plurality of diffusing openings (5), such as diffusing vents or holes. The channeling (2) comprises a plurality of suction hatches (6), each having an access (7), the suction hatch (6) is provided with a closing element (8) engaged at the access (7) and movable between at least one first operative position, wherein the closing element (8) is placed at the access (7) for closing it, and at least one second operative position, wherein the closing element (8) is spaced from the access (7), with respect to the first operative condition, for enabling the air passage through the access (7) itself. The closing element (8) is configured for switching from the first to the second operative condition following the passage to the negative pressure condition inside the channeling (2) for enabling to suction air from the environment (200) of the building through the access (7)

