

Title (en)
Equipment for ventilating a water-closed

Title (de)
Lüftungsvorrichtung für ein WC

Title (fr)
Dispositif de ventilation pour un WC

Publication
EP 1149955 A1 20011031 (EN)

Application
EP 00108997 A 20000428

Priority
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Abstract (en)
An equipment for ventilating a water-closet comprises a water-closet bowl (1) with a cavity (2) and a siphon (3) connected to the discharging system of the building; a flushing duct (4) sends the water to the water-closet bowl (1) through bores (5); a duct (9) of suction with a section of inlet (10) for the suction bores (11) for the gases which come in the duct (9); a ventilator (12) connected to an end of the duct (9) presents a delivery duct (13) connected to two discharging ducts (14,15); a two-way valve (16a, 16b) connects duct (13) to duct (14) or to duct (15); a check valve (17) allows the flow of the gases from the discharging duct (14) to the siphon (3) and prevents the reflow; a overflow sensor (66) is used for obtaining a signal to be sent to a suitable switch (21) intercepting the ventilator (12) feeding and closes an on-off valve (31) when the signal indicates a clogging of the bowl (1). <IMAGE>

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E03D 9/052

IPC 8 full level
E03D 9/052 (2006.01)

CPC (source: EP)
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Citation (search report)

- [XY] US 5079782 A 19920114 - SIM JAE K [US]
- [X] US 5029346 A 19910709 - FERNALD SR ROBERT C [US]
- [Y] US 4551865 A 19851112 - WATERS DUDLEY G [AU]
- [Y] DE 19535600 A1 19970515 - BUBECK FRIEDRICH [DE]
- [Y] FR 1325800 A 19630503
- [Y] GB 2237825 A 19910515 - MALONEY JOHN
- [Y] WO 8002577 A1 19801127 - LAGERSTEDT & KRANTZ AB [SE], et al
- [Y] US 4007498 A 19770215 - PEARSON RAYMOND H

Cited by
CN104047346A; DE202004012065U1; CN104047351A; ES2251327A1

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