

Title (en)  
HUMIDIFIER INSTALLATION

Title (de)  
LUFTBEFEUCHTUNGSANLAGE

Title (fr)  
INSTALLATION D'HUMIDIFICATION DE L'AIR

Publication  
**EP 1573252 A1 20050914 (DE)**

Application  
**EP 02795222 A 20021218**

Priority  
EP 0214474 W 20021218

Abstract (en)  
[origin: WO2004055444A1] The invention relates to a humidifier installation for generating an aerosol mist in an air duct. The humidifier installation comprises a system of pressurised-water conduits (11) for providing pressurised water in a working range of between 2 and 140 bar, preferably between 60 and 120 bar. According to the invention, the system of pressurised-water conduits (11) has a fluidic connection to a plurality of nozzles (12, 13) and comprises a pressure-increase device in order to generate the aforementioned pressures. The system also comprises an osmosis installation (14) comprising at least one reverse osmosis module (15, 16) and an osmosis pump for conducting water through the reverse osmosis module(s) (15, 16). The inventive humidifier installation is characterised in that the osmosis module(s) (15, 16) of the reverse osmosis installation is/are located in the system of pressurised-water conduits (11) of the humidifier installation and that the osmosis pump of the osmosis installation (14) and the pressure-increase device of the pressurised-water system (11) are configured in the form of a single high-pressure pump (17) that assumes both functions.

IPC 1-7  
**F24F 6/14**

IPC 8 full level  
**F24F 6/14** (2006.01)

CPC (source: EP)  
**F24F 6/14** (2013.01); **F24F 2006/006** (2013.01); **F24F 2006/146** (2013.01); **Y02B 30/54** (2013.01)

Citation (search report)  
See references of WO 2004055444A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)  
**WO 2004055444 A1 20040701**; AU 2002361006 A1 20040709; EP 1573252 A1 20050914

DOCDB simple family (application)  
**EP 0214474 W 20021218**; AU 2002361006 A 20021218; EP 02795222 A 20021218