

Title (en)
Gas/liquid separation devices

Title (de)
Gas-Flüssigkeitstrennungsvorrichtungen

Title (fr)
Dispositifs de séparation gaz/liquide

Publication
EP 1291585 A3 20060607 (EN)

Application
EP 02255016 A 20020717

Priority
• JP 2001217290 A 20010717
• JP 2001338501 A 20011102

Abstract (en)
[origin: EP1291585A2] A gas/liquid separation element is provided comprising: a frame having an opening therein; waterproof/moisture permeable sheets affixed to both sides thereof so as to cover the opening, whereby the frame and waterproof/moisture permeable sheets define a liquid flow channel; a plurality of ribs arranged over at least the front face of waterproof/moisture permeable sheets and extending between two opposite sides of the frame; and a liquid inlet/outlet portion for liquid feed or liquid outlet, provided at one or more locations in a portion of the frame. Also provided are gas/liquid separators and separation units for use in gas/liquid separation applications such as humidifiers and dehumidifiers,

IPC 8 full level
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F24F 3/14 (2013.01); **F24F 3/1417** (2013.01); **F24F 6/04** (2013.01); **F24F 2003/1435** (2013.01); **F24F 2003/144** (2013.01)

Citation (search report)
• [X] US 5624610 A 19970429 - YOKOYA HISAO [JP], et al
• [A] WO 0127552 A1 20010419 - CARRIER CORP [US]
• [A] US 5946931 A 19990907 - LOMAX CURTIS [US], et al
• [XD] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 09 30 September 1996 (1996-09-30)

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EP2026029A4; CN107823998A; EP1652663A3; DE102016109365B4; WO2010020220A1; US7572321B2

Designated contracting state (EPC)
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