

Title (en)
FILTRATION DEVICE HAVING INTERNAL RECIRCULATION

Title (de)
FILTRATIONSVORRICHTUNG MIT INTERNER REZIRKULATION

Title (fr)
DISPOSITIF DE FILTRATION À RECYCLAGE INTERNE

Publication
EP 2566605 A1 20130313 (DE)

Application
EP 11719185 A 20110428

Priority
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• EP 2011002129 W 20110428

Abstract (en)
[origin: WO2011137990A1] A device for micro-, ultra-, or nanofiltration comprises one or more flat filter modules comprising flat filter elements (5) arranged in parallel and at a distance from each other and gas injectors (14) of one or more gas lifting systems (13) for producing a circulating cross flow directed tangentially to the surface of the flat filter elements and having at least one rising area, in which the cross flow flows substantially vertically upward, and at least one falling area, in which the cross flow flows substantially vertically downward, wherein the rising area flows through 10 to 100% and the falling area flows through 10 to 100% of an inlet-flow volume of the at least one flat filter module.

IPC 8 full level
B01D 61/18 (2006.01); **B01D 63/08** (2006.01); **B01D 65/08** (2006.01); **C02F 1/44** (2006.01)

CPC (source: EP US)
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JP H09136021 A 19970527 - SUMITOMO HEAVY INDUSTRIES

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