

Title (en)

APPARATUS FOR GAS/LIQUID CONTACTING

Title (de)

VORRICHTUNG FÜR GAS-FLÜSSIGKEITSKONTAKT

Title (fr)

APPAREIL DE MISE EN CONTACT D'UN GAZ ET D'UN LIQUIDE

Publication

EP 1406731 B1 20050525 (EN)

Application

EP 02740963 A 20020715

Priority

- GB 0203297 W 20020715
- GB 0117544 A 20010718

Abstract (en)

[origin: WO03008106A1] A gas/liquid contactor apparatus comprises a vortex chamber (12) having at least one tangential inlet port (13) for gas, an axial gas outlet port (14), and, within the chamber, a liquid spray generator (18,19). An upper chamber (31) has a baffle (32) and a gas outlet conduit (33) shaped so that liquid droplets, from any liquid carried over in the gas stream, which collect and coalesce on the underside of the top surfaces of the upper chamber (31) flow, under the combined effect of gravity and the gas flow on the surfaces, outwardly and downwardly to the side wall of the upper chamber (31).

IPC 1-7

B05B 1/26; **B05B 7/00**

IPC 8 full level

B05B 1/26 (2006.01); **B05B 7/00** (2006.01)

CPC (source: EP)

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Cited by

US8813976B2; US9457294B2; US9233319B2; US9458068B2

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