

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)

**B05B 1/26** (2013.01); **B05B 7/0012** (2013.01)

Cited by

US8813976B2; US9457294B2; US9233319B2; US9458068B2

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 SK TR

DOCDB simple family (publication)

**WO 03008106 A1 20030130**; AT E296165 T1 20050615; DE 60204319 D1 20050630; DE 60204319 T2 20060126; EP 1406731 A1 20040414; EP 1406731 B1 20050525; ES 2242035 T3 20051101; GB 0117544 D0 20010912

DOCDB simple family (application)

**GB 0203297 W 20020715**; AT 02740963 T 20020715; DE 60204319 T 20020715; EP 02740963 A 20020715; ES 02740963 T 20020715; GB 0117544 A 20010718