

Title (en)
GAS SEPARATOR

Title (de)
GASABSCHEIDER

Title (fr)
SEPARATEUR DE GAZ

Publication
EP 1792050 A4 20120912 (EN)

Application
EP 05787856 A 20050920

Priority
• CA 2005001439 W 20050920
• US 61111104 P 20040920

Abstract (en)
[origin: WO2006032141A1] A combination liquid and gas separator and jetting tool includes a housing (1) containing a rotatable drum (2), a stator (6) in the inlet end of the housing (1) for swirling a liquid/gas mixture, a rotor (9) attached to the drum (2) for rotation by the mixture; whereby the gas and liquid are separated. The liquid and gas are discharged through separate restricted orifices (28, 32) downstream of the drum. Orifices (44, 59) can be located in a rotating head (43) for cleaning, cutting or other downhole operations.

IPC 8 full level
E21B 21/00 (2006.01); **E21B 43/38** (2006.01)

CPC (source: EP)
E21B 7/18 (2013.01); **E21B 21/002** (2013.01); **E21B 21/085** (2020.05); **E21B 37/00** (2013.01)

Citation (search report)
• [IA] US 2003196802 A1 20031023 - PROCTOR BRUCE ERWIN [US]
• [IA] US 6082452 A 20000704 - SHAW CHRISTOPHER K [US], et al
• [IA] WO 9307391 A1 19930415 - BHR GROUP LTD [GB]
• [A] US 6113675 A 20000905 - BRANSTETTER TODD M [US]
• See references of WO 2006032141A1

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

DOCDB simple family (publication)
WO 2006032141 A1 20060330; AU 2005287828 A1 20060330; AU 2005287828 A2 20060330; AU 2005287828 B2 20110804; BR PI0515682 A 20080729; CA 2581136 A1 20060330; CA 2581136 C 20100323; EA 009894 B1 20080428; EA 200700526 A1 20071026; EG 25283 A 20111205; EP 1792050 A1 20070606; EP 1792050 A4 20120912; MX 2007003239 A 20070814; NO 20071938 L 20070416

DOCDB simple family (application)
CA 2005001439 W 20050920; AU 2005287828 A 20050920; BR PI0515682 A 20050920; CA 2581136 A 20050920; EA 200700526 A 20050920; EG NA2007000293 A 20070319; EP 05787856 A 20050920; MX 2007003239 A 20050920; NO 20071938 A 20070416