

Title (en)
Oil separator

Title (de)
Ölabscheider

Title (fr)
Séparateur d'huile

Publication
EP 2741029 A3 20160622 (EN)

Application
EP 13196122 A 20131206

Priority
JP 2012269520 A 20121210

Abstract (en)
[origin: EP2741029A2] This oil separator including the following elements: a shell pipe (2) that has a cylindrical internal space and that separates gas and oil in the cylindrical internal space; a gas inlet pipe (5) that introduces gas along a tangential direction of the cylindrical internal space; an approximately-linear oil return pipe (3) that guides oil separated in the cylindrical internal space to the outside; and an approximately-linear gas outlet pipe (4) that is opposed to the oil return pipe (3) and that guides gas separated in the cylindrical internal space to the outside, in which a central axis line (L2) of the gas outlet pipe (4) is provided eccentrically with respect to a central axis line (L1) of the shell pipe (2).

IPC 8 full level
F25B 43/02 (2006.01)

CPC (source: EP)
F25B 43/02 (2013.01); **F25B 2400/02** (2013.01)

Citation (search report)

- [X] WO 9600369 A1 19960104 - AMERICAN STANDARD INC [US]
- [X] JP 2008202894 A 20080904 - YANMAR CO LTD
- [X] JP H07218049 A 19950818 - MAEKAWA SEISAKUSHO KK
- [X] US 2007251264 A1 20071101 - JANG WON-JAE [KR], et al
- [X] EP 1568955 A1 20050831 - LG ELECTRONICS INC [KR]
- [X] EP 2175214 A1 20100414 - MITSUBISHI ELECTRIC CORP [JP]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2741029 A2 20140611; EP 2741029 A3 20160622; EP 2741029 B1 20181024; JP 2014115018 A 20140626; JP 6219032 B2 20171025; TR 201900560 T4 20190221

DOCDB simple family (application)
EP 13196122 A 20131206; JP 2012269520 A 20121210; TR 201900560 T 20131206