

Title (en)
COMPRESSOR WITH A DUMMY PISTON

Title (de)
VERDICHTER MIT KOLBENDUMMY

Title (fr)
COMPRESSEUR COMPRENANT UN FAUX PISTON

Publication
EP 2430316 B1 20140122 (DE)

Application
EP 10720882 A 20100504

Priority
• EP 2010002735 W 20100504
• DE 102009020925 A 20090512

Abstract (en)
[origin: CA2761615A1] The invention relates to a compressor comprising a liquid which can be displaced in a piston chamber and which acts as a piston. According to the invention, a piston dummy (5) is arranged in the liquid (3) and can displace with said liquid. Said piston dummy (5) is preferably embodied such that when the top dead point is reached, said piston dummy accelerates the liquid (3) in the annular gap which it defines with the piston chamber wall.

IPC 8 full level
F04F 1/06 (2006.01)

CPC (source: EP KR US)
F04F 1/06 (2013.01 - EP KR US); **F04F 1/14** (2013.01 - KR)

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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102009020925 A1 20101118; CA 2761615 A1 20101118; CA 2761615 C 20161004; CN 102422028 A 20120418; CN 102422028 B 20141224; EP 2430316 A1 20120321; EP 2430316 B1 20140122; JP 2012526940 A 20121101; JP 5586690 B2 20140910; KR 101719532 B1 20170324; KR 20120017068 A 20120227; US 2012134851 A1 20120531; WO 2010130356 A1 20101118

DOCDB simple family (application)
DE 102009020925 A 20090512; CA 2761615 A 20100504; CN 201080020456 A 20100504; EP 10720882 A 20100504; EP 2010002735 W 20100504; JP 2012510140 A 20100504; KR 20117029717 A 20100504; US 201013263791 A 20100504