

Title (en)
RECIPROCATING COMPRESSOR WITH COMPOSITE MATERIAL COMPONENTS

Title (de)
HUBKOLBENVERDICHTER MIT VERBUNDMATERIALKOMPONENTEN

Title (fr)
COMPRESSEUR ALTERNATIF À COMPOSANTS EN MATÉRIAU COMPOSITE

Publication
EP 3080452 A1 20161019 (EN)

Application
EP 14808620 A 20141205

Priority
• IT FI20130296 A 20131209
• EP 2014076738 W 20141205

Abstract (en)
[origin: WO2015086458A1] A double-effect reciprocating compressor is described. The compressor comprises a cylinder (3) and a reciprocatingly moving arrangement comprised of a piston (7), a crosshead (37) and a piston rod (15) connecting the crosshead to the piston. A crank-shaft (31) drives the reciprocatingly moving arrangement into reciprocating motion via a connecting rod (33). At least one part of the piston and of the piston rod is at least partly made of a composite material.

IPC 8 full level
F04B 39/00 (2006.01)

CPC (source: EP)
F04B 39/0005 (2013.01); **F04B 39/0022** (2013.01)

Citation (search report)
See references of WO 2015086458A1

Cited by
EP3521618A1

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)
WO 2015086458 A1 20150618; EP 3080452 A1 20161019; EP 3080452 B1 20180905; IT FI20130296 A1 20150610

DOCDB simple family (application)
EP 2014076738 W 20141205; EP 14808620 A 20141205; IT FI20130296 A 20131209