

Title (en)  
LINEAR COMPRESSOR

Title (de)  
LINEARKOMPRESSOR

Title (fr)  
COMPRESSEUR LINEAIRE

Publication  
**EP 1740831 B1 20100421 (EN)**

Application  
**EP 05729530 A 20050323**

Priority  
• EP 2005051357 W 20050323  
• IT PN20040029 A 20040429

Abstract (en)  
[origin: WO2005106249A1] The present invention refers to a linear compressor comprising a piston (9) arranged slidably inside a cylinder (15); in said cylinder (15) the piston (9) defines a first low-pressure chamber (21) and a second high-pressure chamber (22), said piston being further provided with communication means (23) between said first and said second chamber (21, 22), which are controlled by valve means (24) to establish such communication therebetween.

IPC 8 full level  
**F04B 35/04** (2006.01); **F04B 39/00** (2006.01)

CPC (source: EP US)  
**F04B 35/045** (2013.01 - EP US); **F04B 39/0016** (2013.01 - EP US)

Citation (examination)  
EP 0028144 A1 19810506 - DAVEY GORDON [GB], et al

Cited by  
US2017002506A1; US9845567B2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005106249 A1 20051110**; AT E465343 T1 20100515; BR PI0509952 A 20070925; CN 100540894 C 20090916; CN 101014770 A 20070808; DE 602005020763 D1 20100602; EP 1740831 A1 20070110; EP 1740831 B1 20100421; IT PN20040029 A1 20040729; JP 2007534882 A 20071129; MX PA06011843 A 20070321; US 2008063549 A1 20080313

DOCDB simple family (application)  
**EP 2005051357 W 20050323**; AT 05729530 T 20050323; BR PI0509952 A 20050323; CN 200580013586 A 20050323; DE 602005020763 T 20050323; EP 05729530 A 20050323; IT PN20040029 A 20040429; JP 2007510008 A 20050323; MX PA06011843 A 20050323; US 58776706 A 20061229