

Title (en)  
LINEAR COMPRESSOR

Title (de)  
LINEARVERDICHTER

Title (fr)  
COMPRESSEUR LINÉAIRE

Publication  
**EP 2304234 A1 20110406 (DE)**

Application  
**EP 09765859 A 20090617**

Priority  
• EP 2009057513 W 20090617  
• DE 102008029370 A 20080620

Abstract (en)  
[origin: WO2009153279A1] A linear compressor for a refrigerator, comprises a piston (7) oscillating in a compressor chamber (8) and a proximity sensor (15) arranged on a front wall (9) of the compressor chamber (8) for recording the approach of the piston (7) to the front wall(9). The proximity sensor (9) is adjacent to a recess (13) in the front wall (9). The piston (7) has a projection (14), which engages in the recess (13) at the top dead centre of the piston movement.

IPC 8 full level  
**F04B 35/04** (2006.01); **F04B 39/10** (2006.01); **F04B 39/12** (2006.01); **F04B 49/10** (2006.01); **F04B 53/14** (2006.01)

CPC (source: EP US)  
**F04B 35/045** (2013.01 - EP US); **F04B 39/1066** (2013.01 - EP US); **F04B 39/125** (2013.01 - EP US); **F04B 49/10** (2013.01 - EP US); **F04B 53/14** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009153279A1

Designated contracting state (EPC)  
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 TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**DE 102008029370 A1 20091224**; CN 102084131 A 20110601; EP 2304234 A1 20110406; EP 2304234 B1 20120516; RU 2010154184 A 20120727; US 2011164991 A1 20110707; WO 2009153279 A1 20091223

DOCDB simple family (application)  
**DE 102008029370 A 20080620**; CN 200980123333 A 20090617; EP 09765859 A 20090617; EP 2009057513 W 20090617; RU 2010154184 A 20090617; US 99788709 A 20090617