

Title (en)
LINEAR COMPRESSOR

Title (de)
LINEARVERDICHTER

Title (fr)
COMPRESSEUR LINEAIRE

Publication
EP 1831557 B1 20091118 (DE)

Application
EP 05815658 A 20051202

Priority
• EP 2005056443 W 20051202
• DE 102004062298 A 20041223

Abstract (en)
[origin: WO2006069890A1] A linear compressor comprise a pumping chamber (13), in which a piston moves back and forth, and a frame (11, 12), fixed to the pumping chamber (13), on which an oscillating body (16), connected to the piston, is fixed by at least one spring (9) such as to move back and forth and provided with at least one electromagnet (14, 15), for driving the back and forth movement of the oscillating body (16). A one-piece spring (5, 7, 9) connects the oscillating body (16) to the frame (11,12) and the frame (11,12) to a fixing body (1), for fixing the linear compressor to a support.

IPC 8 full level
F04B 35/04 (2006.01)

CPC (source: EP US)
F04B 35/045 (2013.01 - EP US)

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006069890 A1 20060706; AT E449258 T1 20091215; CN 100587267 C 20100203; CN 101087950 A 20071212;
DE 102004062298 A1 20060713; DE 502005008566 D1 20091231; EP 1831557 A1 20070912; EP 1831557 B1 20091118;
ES 2332807 T3 20100212; RU 2007121330 A 20090127; RU 2369773 C2 20091010; US 2007292286 A1 20071220; US 7896623 B2 20110301

DOCDB simple family (application)
EP 2005056443 W 20051202; AT 05815658 T 20051202; CN 200580044273 A 20051202; DE 102004062298 A 20041223;
DE 502005008566 T 20051202; EP 05815658 A 20051202; ES 05815658 T 20051202; RU 2007121330 A 20051202; US 79404205 A 20051202