

Title (en)
LINEAR COMPRESSOR WITH A GAS SPRING

Title (de)
LINEARVERDICHTER MIT GASDRUCKFEDERUNG

Title (fr)
COMPRESSEUR LINÉAIRE À SUSPENSION PAR PRESSION DE GAZ

Publication
EP 1991779 A1 20081119 (DE)

Application
EP 07703952 A 20070117

Priority
• EP 2007050455 W 20070117
• DE 102006009273 A 20060228

Abstract (en)
[origin: DE102006009273A1] A refrigeration device comprises a refrigeration space and a linear compressor (1), which has a compressor housing (2) with an oscillating compressor piston (4) along one axis (3) and an intermediate storage medium (6) for the kinetic energy of the reciprocating compressor piston (4). The kinetic energy of the compressor piston (4) can be stored with the intermediate storage medium (6) during the intermittent oscillating movement by compression of a gaseous fluid (5). Independent claims are included for the following: (1) (A) Linear compressor especially for a refrigeration appliance. (2) (B) A method for compressing a gaseous fluid, by a refrigeration appliance.

IPC 8 full level
F04B 35/04 (2006.01)

CPC (source: EP US)
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Citation (search report)
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