

Title (en)

AXIAL PISTON COMPRESSOR IN PARTICULAR A COMPRESSOR FOR THE AIR CONDITIONER ON A MOTOR VEHICLE

Title (de)

AXIALKOLBENVERDICHTER, INSBESONDERE VERDICHTER FÜR DIE KLIMAANLAGE EINES KRAFTFAHRZEUGES

Title (fr)

COMPRESSEUR A PISTONS AXIAUX, EN PARTICULIER COMPRESSEUR POUR LA CLIMATISATION D'UN VEHICULE AUTOMOBILE

Publication

**EP 1718867 B1 20080312 (DE)**

Application

**EP 05700686 A 20050104**

Priority

- EP 2005000021 W 20050104
- DE 102004009270 A 20040226

Abstract (en)

[origin: DE102004009270A1] The pivoting disc (14) for driving the piston (13) is attached to a weight, preferably in the form of an additional ring (15) or disc, in order to generate a deviation momentum (Jyz2) acting in substantially the same direction as the deviation momentum (Jyz1) for the pivoting disc and the sum (Msw) of the tilt forces (Msw1 + Msw2) resulting from these deviation forces is greater than or equal to the force (Mk,ges) generated by all the translatory bodies, especially the piston and optionally including the articulated joint parts (16, 17), piston rods and the like.

IPC 8 full level

**F04B 27/10** (2006.01); **F04B 27/18** (2006.01)

CPC (source: EP)

**F04B 27/1054** (2013.01); **F04B 27/18** (2013.01); **F04B 2201/1206** (2013.01)

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

**DE 102004009270 A1 20050915**; DE 502005003194 D1 20080424; EP 1718867 A1 20061108; EP 1718867 B1 20080312; WO 2005085638 A1 20050915

DOCDB simple family (application)

**DE 102004009270 A 20040226**; DE 502005003194 T 20050104; EP 05700686 A 20050104; EP 2005000021 W 20050104