

Title (en)  
A refrigeration compressor

Title (de)  
Kühlverdichter

Title (fr)  
Compresseur de réfrigération

Publication  
**EP 0561383 B1 19960717 (EN)**

Application  
**EP 93104357 A 19930317**

Priority  
IT PN920010 U 19920318

Abstract (en)  
[origin: EP0561383A1] An electric compressor, particularly for household refrigerators, comprising an outside casing (1), an inside body (2), a cylinder head (3), a silencer (4) interposed between the cavity inside the compressor casing and the gas inlet pipe within the cylinder head (3), wherein the silencer (4) is substantially L-shaped, the greater side containing the expansion chamber (5) and the lesser side leading to the gas admission port (7) in the inlet valve and then to the outlet pipe (9) toward a Helmholtz resonator, the Helmholtz resonator being formed in the compressor body. The ratio between the area of the admission pipe (6) and the transverse section of the chamber (5) must be approximately 0.03, and the length of the chamber (5) must be approximately 34 mm. <IMAGE>

IPC 1-7  
**F04B 39/00**

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

CPC (source: EP)  
**F04B 39/0066** (2013.01)

Cited by  
CN110285496A; CN101871444A; US6012908A; EP1304480A1; US6206655B1; US11067071B2; WO9727402A3; WO2016127702A1

Designated contracting state (EPC)  
AT DE ES FR GB IT

DOCDB simple family (publication)  
**EP 0561383 A1 19930922; EP 0561383 B1 19960717**; AT E140518 T1 19960815; DE 69303644 D1 19960822; DE 69303644 T2 19961121; ES 2090743 T3 19961016; IT 229032 Y1 19980624; IT PN920010 U1 19930918; IT PN920010 V0 19920318

DOCDB simple family (application)  
**EP 93104357 A 19930317**; AT 93104357 T 19930317; DE 69303644 T 19930317; ES 93104357 T 19930317; IT PN920010 U 19920318