

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

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