

Title (en)
Compressors for refrigeration apparatus.

Title (de)
Verdichter für eine Kühlvorrichtung.

Title (fr)
Compresseurs pour appareil de réfrigération.

Publication
EP 0479443 A1 19920408 (EN)

Application
EP 91308395 A 19910913

Priority
GB 9021568 A 19901004

Abstract (en)
A piston (42) is integral with a housing (40, 43) of the compressor and a cylinder (24) is mounted within the housing (40, 43) by means of radially stiff, axially flexible resilient elements (19, 20). An electromagnetic linear motor (10, 11, 14) for effecting reciprocating movement of the cylinder (24) has a stationary element (11) secured to the housing (40, 43) and radially outer and inner portions of the resilient elements (19, 20) are secured directly to the stationary element (11) and the cylinder (24). Preferably the resilient elements lie in planes transverse to the axes of the piston (42) and cylinder (24), and cooperating portions of the piston (42) and cylinder (24) lie entirely within a zone between those planes. <IMAGE>

IPC 1-7
F04B 35/04

IPC 8 full level
F04B 35/04 (2006.01)

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F04B 35/045 (2013.01)

Citation (search report)
• [XP] WO 9012961 A1 19901101 - ISIS INNOVATION [GB]
• [A] WO 8903481 A1 19890420 - HELIX TECH CORP [US]
• [AD] GB 2062773 A 19810528 - DAVEY G, et al
• [A] FR 1069802 A 19540713 - ROULEMENTS A BILLES MINIATURES

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