

Title (en)

Structure for sensing refrigerant flow rate in a compressor

Title (de)

Anordnung zur Messung des Kühlmitteldurchsatzes eines Verdichters

Title (fr)

Structure pour détecter le débit de réfrigérant dans un compresseur

Publication

EP 1925821 A2 20080528 (EN)

Application

EP 07119302 A 20071025

Priority

JP 2006309265 A 20061115

Abstract (en)

A compressor connected to an external refrigerant circuit is disclosed. The compressor is provided with a housing, a passage forming member coupled to an outer surface of the housing, and a differential pressure type flow rate detector provided in the passage forming member. The flow rate detector obtains the pressure in an upstream passage and the pressure in a downstream passage to detect a refrigerant flow rate within the refrigerant passage. The flow rate detector is provided with an accommodation chamber, a partition body, a compression spring, and a spring seat defining a maximum stroke amount of the partition body. The spring seat exists closer to the passage forming member side than a partition surface comparing the housing and the passage forming member, and is in contact with the partition surface.

IPC 8 full level

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CPC (source: EP KR US)

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