

Title (en)

Structure for oil recovery in a compressor

Title (de)

Aufbau zur Ölrückgewinnung in einem Kompressor

Title (fr)

Structure pour récupération d'huile dans un compresseur

Publication

EP 1811177 A2 20070725 (EN)

Application

EP 07100744 A 20070118

Priority

JP 2006013691 A 20060123

Abstract (en)

In a structure for oil recovery in a compressor for separating oil from refrigerant and supplying the separated oil into the compressor through an oil supply passage, the compressor includes a rotary shaft, a cylinder block having a plural cylinder bores, a cam member rotated integrally with the rotary shaft, a piston received in each cylinder bore being operable in conjunction with the rotation of the rotary shaft through the cam member, a suction port for allowing the refrigerant to be drawn from a suction-pressure region of the compressor to the corresponding cylinder bore, a discharge port for allowing the refrigerant to be discharged from the corresponding cylinder bore to a discharge-pressure region of the compressor, and a flexible reed valve for opening and closing one of the suction port and the discharge port. The oil supply passage is opened and closed in accordance with motion of the reed valve.

IPC 8 full level

F04B 39/16 (2006.01); **F04B 27/10** (2006.01)

CPC (source: EP KR US)

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