

Title (en)

Lubrication layer of piston seat of a swash-plate refrigerant compressor

Title (de)

Schmierschicht auf Kolbensitz eines Taumelscheibenkältemittelkompressors

Title (fr)

Surface de lubrification sur le siège de piston d'un compresseur de réfrigérant à plateau en biais

Publication

**EP 1074737 A3 20030312 (EN)**

Application

**EP 00114021 A 20000704**

Priority

JP 22316799 A 19990806

Abstract (en)

[origin: EP1074737A2] A single-head swash-plate refrigerant compressor of fixed displacement type is disclosed which can prevent lock-up due to burning between the spherical seat surface of the pistons and the spherical surface of the shoes and prevent plastic deformation of the pistons. A lubrication layer 6b coated with tin by electroless plating is formed between the spherical seat surface 6a of the piston 6 and the spherical surface 8a of the shoe 8 in order to improve the slidability therebetween. <IMAGE>

IPC 1-7

**F04B 27/08**; **F04B 39/00**

IPC 8 full level

**F04B 25/04** (2006.01); **F04B 27/08** (2006.01); **F04B 27/10** (2006.01)

CPC (source: EP KR)

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Citation (search report)

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DOCDB simple family (application)

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