

Title (en)
Swash plate type compressor

Title (de)
Taumelscheibenkompressor

Title (fr)
Compresseur à plateau en biais

Publication
EP 0911517 B1 20040901 (EN)

Application
EP 98111450 A 19980622

Priority
JP 29196097 A 19971024

Abstract (en)
[origin: EP0911517A2] A swash plate type compressor that provides long lasting high lubricating performance to the sliding contact surfaces of a swash plate end shoes. The surface of the swash plate or the shoes on which the swash plate comes in sliding contact with the shoes is provided with an alloy plating layer, in which tin is the main component, as a surface treating layer. An coating layer, in which molybdenum disulfide is the main component, is formed as a solid lubricant layer on the foregoing plating layer. Preferably, the swash plate is made of aluminum or an aluminum alloy, and its surface is provided with the plating layer and the coating layer. More preferably, the coating layer contains graphite. <IMAGE>

IPC 1-7
F04B 27/10

IPC 8 full level
F04B 27/08 (2006.01); **F04B 27/10** (2006.01)

CPC (source: EP)
F04B 27/0886 (2013.01); **F04B 27/1054** (2013.01); **F05C 2201/0493** (2013.01); **F05C 2203/06** (2013.01); **F05C 2203/086** (2013.01); **F05C 2253/12** (2013.01)

Cited by
EP1953384A3; EP1134413A3; EP1253318A3; DE102004057367A1; US6543333B2; US6471113B1; US6568918B2

Designated contracting state (EPC)
DE FR

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DOCDB simple family (application)
EP 98111450 A 19980622; BR 9806537 A 19980630; DE 69825951 T 19980622; ID 981049 A 19980727; MY PI9802962 A 19980630; SG 1998001535 A 19980626