

Title (en)
Swash plate type compressor

Title (de)
Taumelscheibenverdichter

Title (fr)
Compresseur à plateau en biais

Publication
EP 1167761 A2 20020102 (EN)

Application
EP 01114766 A 20010625

Priority
JP 2000193456 A 20000627

Abstract (en)
The sliding characteristics of the sliding portions, where components slide on each other, are improved and the work of coating forming thereof is simplified. DLC coatings (43) and (44) are formed on a front surface (39) and a rear surface (40) of a swash plate (22) by a CVD method or a PVD method. Therefore, the sliding characteristics of the sliding portion (47) between the swash plate (22) and shoes (27) and (28) are improved and abrasion or seizure occurs less frequently on the surface of the swash plate (22) and flat surfaces (35) and (36) of the shoes (27) and (28).
<IMAGE>

IPC 1-7
F04B 27/10; **F04B 27/08**

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

CPC (source: EP US)
F04B 27/0886 (2013.01 - EP US); **F04B 27/1054** (2013.01 - EP US)

Citation (applicant)
• JP H08199327 A 19960806 - TAIHO KOGYO CO LTD, et al
• JP H11193780 A 19990721 - TOYODA AUTOMATIC LOOM WORKS

Cited by
EP1712790A1; FR2838789A1; US8430018B2; US7406912B2; WO2015176988A1; WO2008014737A1

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 1167761 A2 20020102; **EP 1167761 A3 20030716**; JP 2002005013 A 20020109; US 2001054352 A1 20011227

DOCDB simple family (application)
EP 01114766 A 20010625; JP 2000193456 A 20000627; US 88577801 A 20010620