

Title (en)
Scroll compressor

Title (de)
Spiralverdichter

Title (fr)
Compresseur à spirales

Publication
EP 0697522 A1 19960221 (EN)

Application
EP 95110171 A 19950629

Priority
JP 21782494 A 19940819

Abstract (en)
Unusual wearing and seizure on an outer surface 15a of an end plate 15 of a swivel scroll 14 and on a sliding surface 36a of a thrust slide bearing 36 which may occur at the time of re-starting of a compressor after a long time cessation are avoided. Any one, or both, of the outer surface 15a of the end plate 15 of the swivel scroll 14 and the sliding surface 36a of the thrust slide bearing 36 contacting slidably thereto is/are applied to by a coating membrane 40 of a solid lubricating material. <MATH>

IPC 1-7
F04C 18/02

IPC 8 full level
F04C 29/02 (2006.01); **F04C 18/02** (2006.01)

CPC (source: EP KR)
F04C 18/02 (2013.01 - KR); **F04C 18/0215** (2013.01 - EP); **F04C 2230/91** (2013.01 - EP); **F05B 2230/90** (2013.01 - EP);
F05C 2225/04 (2013.01 - EP)

Citation (search report)
• [XY] PATENT ABSTRACTS OF JAPAN vol. 9, no. 256 (M - 421) 15 October 1985 (1985-10-15)
• [Y] PATENT ABSTRACTS OF JAPAN vol. 10, no. 199 (C - 359) 11 July 1986 (1986-07-11)
• [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 486 (M - 1038) 23 October 1990 (1990-10-23)

Cited by
CN114837947A; US7658600B2; US7563510B2; EP1867876B1

Designated contracting state (EPC)
DE FR NL

DOCDB simple family (publication)
EP 0697522 A1 19960221; AU 2183095 A 19960229; CA 2152454 A1 19960220; CA 2152454 C 19981117; CN 1119704 A 19960403;
JP 3364016 B2 20030108; JP H0861256 A 19960308; KR 0156882 B1 19990115; KR 960008057 A 19960322

DOCDB simple family (application)
EP 95110171 A 19950629; AU 2183095 A 19950621; CA 2152454 A 19950622; CN 95108406 A 19950717; JP 21782494 A 19940819;
KR 19950025540 A 19950819