

Title (en)
SCREW COMPRESSOR

Publication
EP 0101345 B1 19861008 (FR)

Application
EP 83401448 A 19830713

Priority
FR 8212803 A 19820722

Abstract (en)
[origin: ES8404473A1] The compressor, with rotating assemblies of low inertia, and of compact construction, comprises, housed in a housing, two hollow rotors (5, 6), for example out of plastic material, fixed respectively on a front shaft member (20, 21) journaled in a front bulkhead (26) and each supported at the rear by a rear bearing assembly (11) fixed to a rear end wall (2) of the housing and entirely contained within the internal space (7, 7) in the rotor. The drive is provided by the female rotor (6). The inner surfaces of the housing and the outer surfaces of the rotor threads are coated with an overthickened layer of an erodable coating material containing particles of a dry lubricant material.

IPC 1-7
F04C 18/16; **F01C 21/10**

IPC 8 full level
F01C 21/10 (2006.01); **F04C 18/08** (2006.01); **F04C 18/16** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP US)
F01C 21/10 (2013.01 - EP US); **F04C 18/084** (2013.01 - EP US); **F04C 18/086** (2013.01 - EP US); **F04C 18/16** (2013.01 - EP US); **F04C 2230/91** (2013.01 - EP US)

Cited by
US5620044A; EP0493315A1; FR2964163A1; EP0736692A1; EP0348591A3; EP0225070A1; EP0666422A1; EP0705979A1; EP1857680A3; EP0290664A1; CN1112515C; EP4163495A1; IT202100025589A1; WO8604639A1

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