

Title (en)
ROTARY PISTON MACHINE

Title (de)
DREHKOLBENMASCHINE

Title (fr)
MACHINE A PISTON ROTATIF

Publication
EP 1005604 B1 20020731 (DE)

Application
EP 98949923 A 19980820

Priority
• DE 9802428 W 19980820
• DE 19736397 A 19970821

Abstract (en)
[origin: DE19837729A1] A power part (1) is provided in the housing, connected to a shaft (2) fitted with a drive or driven device. The power part comprises a ball layer (3) limited by a face surface (5) and a basic surface (4), the central point of which is located in the rotary axis of the drive or driven shaft and its diameter corresponds to the inner chamber of the housing. The basic surface (4) of the power part runs vertically to the rotary axis and its face surface (5) is formed by the movement of a straight producing line connected with a point of the rotary axis along a cycloidal guide curve with at least two cycloids.

IPC 1-7
F01C 3/08

IPC 8 full level
F01C 3/08 (2006.01)

CPC (source: EP KR)
F01C 3/08 (2013.01 - EP KR); **F01C 3/085** (2013.01 - EP)

Cited by
US8834140B2; EP1749145B1

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CH DE FR GB IT LI NL

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DE 19837729 A1 19990520; AU 9620398 A 19990316; BR 9811964 A 20000815; CA 2300812 A1 19990304; CA 2300812 C 20070109; CN 1093592 C 20021030; CN 1267355 A 20000920; DE 19881218 D2 20000713; DE 59805024 D1 20020905; EP 1005604 A1 20000607; EP 1005604 B1 20020731; JP 2001514352 A 20010911; JP 4132660 B2 20080813; KR 100551525 B1 20060213; KR 20010022963 A 20010326; WO 9910626 A1 19990304

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