

Title (en)
Reciprocating piston device

Title (de)
Hubkolbenvorrichtung

Title (fr)
Dispositif à piston alternatif

Publication
EP 1074693 A3 20011219 (DE)

Application
EP 99124143 A 19991202

Priority
DE 19936809 A 19990804

Abstract (en)
[origin: EP1074693A2] The reciprocating piston assembly has at least one piston (9) which moves to and fro within a cylinder (3), keyed against rotation, with a roller (1) rotating around the sliding axis of the piston (9). It has at least one closed rolling take-off cam (4) around its rotary axis, with a reciprocating movement on the axial line of the roller (1). At least one bearing (10,11) is fixed to the piston (9), aligned across the rotary axis of the roller (1), to roll with the cam (4) on the roller (1). The linear movement of the piston (9) is converted into a rotary movement by the roller (1).

IPC 1-7
F01B 3/00; **F04B 1/14**; **F16H 25/12**

IPC 8 full level
F01B 3/00 (2006.01); **F01B 9/02** (2006.01); **F02B 75/24** (2006.01)

CPC (source: EP)
F01B 3/0005 (2013.01); **F01B 9/026** (2013.01); **F02B 75/246** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
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