

Title (en)
MOTION CONVERTING DEVICE

Publication
EP 0293847 B1 19920520 (DE)

Application
EP 88108725 A 19880531

Priority
DE 3718614 A 19870603

Abstract (en)
[origin: EP0293847A2] A device for converting the reciprocating movement of at least one piston (8) of an internal-combustion engine (4) into an oscillating rotary movement of at least one shaft (10), the piston (8) being connected via a flexible strip (24) to a winding-up and unwinding region (20) of the shaft (10). The rotational energy existing during rotary movement of the shaft (10) is used at the end of the working stroke of the piston (8) to rotate the shaft (10) further in the same direction of rotation, so that the strip (24) is subsequently wound in the opposite winding sense onto the winding-up and unwinding region (20) of the shaft (10), and the piston (8) is thereby pulled back by the strip (24). Alternatively, two pistons (8) are provided, with a connecting rod (16) between them, together with strips (24, 24') with opposing winding directions, so that, when the one strip is wound up, the other strip is unwound, and vice versa. <IMAGE>

IPC 1-7
F01B 9/08; **F16H 19/00**

IPC 8 full level
F01B 9/08 (2006.01); **F16H 19/00** (2006.01); **F02B 1/04** (2006.01)

CPC (source: EP US)
F01B 9/08 (2013.01 - EP US); **F02B 1/04** (2013.01 - EP US); **Y10T 74/1544** (2015.01 - EP US); **Y10T 74/1545** (2015.01 - EP US); **Y10T 74/1547** (2015.01 - EP US)

Citation (examination)
DE 118435 C

Cited by
EP0469956A1; FR2949392A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)
EP 0293847 A2 19881207; **EP 0293847 A3 19890802**; **EP 0293847 B1 19920520**; AT E76482 T1 19920615; DE 3718614 A1 19881222; DE 3871237 D1 19920625; US 4912996 A 19900403

DOCDB simple family (application)
EP 88108725 A 19880531; AT 88108725 T 19880531; DE 3718614 A 19870603; DE 3871237 T 19880531; US 20221388 A 19880603