

Title (en)
Compressed air piston motor

Title (de)
Druckluft-Kolbenmotor

Title (fr)
Moteur à pistons à air comprimé

Publication
EP 0886036 A3 19990616 (DE)

Application
EP 98109823 A 19980529

Priority
DE 29710807 U 19970619

Abstract (en)
[origin: US6123008A] A compact transportable compressed-air piston engine for paint-spraying devices, dosing pumps, grease guns or the like, makes it possible, without much effort, to carry out various length working strokes of a working piston. A compact engine is obtained by mounting the control in/on the cylinder head or in/on the cylinder bottom with axes extending transversely with respect to a main axis so that stroke changes can be achieved solely by the working piston contacting the valve piston rods of switch valves. In addition, return springs are not needed in the switch valves, which are required for reversing and are operated by the working piston.

IPC 1-7
F01B 11/00; **F01L 25/06**

IPC 8 full level
F01B 1/00 (2006.01); **F01B 11/00** (2006.01); **F01B 17/02** (2006.01); **F01B 25/00** (2006.01); **F01L 25/06** (2006.01); **F04B 9/125** (2006.01)

CPC (source: EP US)
F01B 11/001 (2013.01 - EP US); **F01B 17/02** (2013.01 - EP US); **F04B 9/125** (2013.01 - EP US)

Citation (search report)

- [X] US 4846045 A 19890711 - GRACH AYZIK [US], et al
- [XA] DE 1301632 B 19690821 - COM ESPANOLA PARA LA DIFUSION, et al
- [XA] DE 330195 C 19201210 - KNAPP MASCHINENFABRIK W

Cited by
FR2805313A1; CN102859194A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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US 6123008 A 20000926; AT E245763 T1 20030815; CN 1203322 A 19981230; DE 29710807 U1 19970828; DE 59809063 D1 20030828; EP 0886036 A2 19981223; EP 0886036 A3 19990616; EP 0886036 B1 20030723; JP H1162501 A 19990305; KR 19990007134 A 19990125; TW 408213 B 20001011

DOCDB simple family (application)
US 9882498 A 19980617; AT 98109823 T 19980529; CN 98103107 A 19980618; DE 29710807 U 19970619; DE 59809063 T 19980529; EP 98109823 A 19980529; JP 16996498 A 19980617; KR 19980023078 A 19980619; TW 87109224 A 19980610