

Title (en)
Axial combustion engine

Title (de)
Axial verbrennungs-kolbenmaschine

Title (fr)
Moteur axial à combustion

Publication
EP 1221535 A3 20030326 (DE)

Application
EP 01600029 A 20011221

Priority
GR 2001010008 A 20010109

Abstract (en)
[origin: EP1221535A2] Axial internal combustion engine comprises a linear shaft consisting of an outer main flywheel (1), a regulating flywheel for the compression ratio, a path flywheel (3), and an eccentric flywheel (4). These components form a STROFEA. Preferred Features: The path flywheel has a central cylindrical core (31) surrounded by a shaft-like protruding ring (32) with a cylindrical outer surface. The other two surfaces of the ring form grooves so that each center line represents a continuous, undulating three-dimensional curve (33) with 4 or 8 apexes arranged symmetrically along the periphery.

IPC 1-7
F01B 3/04; F01B 9/06; F02B 75/26

IPC 8 full level
F01L 1/047 (2006.01); **F01L 1/12** (2006.01); **F01L 1/18** (2006.01); **F02B 75/26** (2006.01)

CPC (source: EP)
F01L 1/047 (2013.01); **F01L 1/12** (2013.01); **F01L 1/18** (2013.01); **F02B 75/26** (2013.01)

Citation (search report)
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• [XA] US 4023542 A 19770517 - ANGO ALVINO J
• [X] US 4553508 A 19851119 - STINEBAUGH DONALD E [US]
• [A] US 5083532 A 19920128 - WIESEN BERNARD [US]

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