

Title (en)
Rotor for pneumatic motor

Title (de)
Druckluftmotorrotor

Title (fr)
Rotor pour moteur pneumatique

Publication
EP 0695854 A1 19960207 (EN)

Application
EP 95202027 A 19950722

Priority
IT MI941638 A 19940729

Abstract (en)
A rotor for pneumatic motor comprising a stator cavity (2) wherein the rotor (5) is rotatably housed, comprises a substantially cylindrical body (7) wherein a circumferential series of radial notches (8) is formed, said notches extending along the whole length of the cylindrical body (7) itself and forming the same number of seats for respective radial blades (9) slidably inserted in said notches (8); each of said notches (8) is related to at least one respective conduit (11) formed in said cylindrical body (7) separately and further forward in relation to said notch (8) in the direction of rotation of the rotor (5) and leading into the stator cavity (2) and into the base of the respective notch (8), to allow a pressurised fluid to penetrate the base of said notches (8) to force said blades (9) into a condition of forced engagement with an internal surface of said stator cavity (2). <MATH>

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F01C 21/08; F01C 1/344

IPC 8 full level
F01C 21/08 (2006.01)

CPC (source: EP)
F01C 21/0863 (2013.01)

Citation (search report)
• [X] FR 2095507 A5 19720211 - PIERBURG KG A
• [X] GB 1605285 A 19880203 - SECR DEFENCE
• [A] US 3869231 A 19750304 - ADAMS CECIL E
• [A] FR 590085 A 19250610
• [A] FR 1078008 A 19541115
• [A] FR 2467970 A1 19810430 - USHIO KOGYO CO [JP]
• [X] PATENT ABSTRACTS OF JAPAN vol. 7, no. 223 (M - 247)<1368> 4 October 1983 (1983-10-04)

Cited by
EP3508725A1; US11346221B2

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