

Title (en)
ROTOR ASSEMBLY

Publication
EP 0285100 A3 19890531 (EN)

Application
EP 88105102 A 19880329

Priority
JP 7639887 A 19870331

Abstract (en)
[origin: EP0285100A2] A rotor assembly used in an automobile supercharger includes a casing in which a rotor rotates to draw in, compress and discharge a gas. The casing and the rotor define a compression chamber, and the casing is provided with an opening over a rotational angular range of the compression chamber which includes the latter half of the rotor compression stroke, and with a passageway for communicating the compression chamber with a discharge pipe via the opening. Switching means are arranged in the passageway for opening and closing the passageway in dependence upon discharge pressure produced by the compression stroke and supercharging pressure inside the discharge pipe.

IPC 1-7
F01C 1/10; **F01C 21/16**; **F04C 18/10**; **F04C 29/10**

IPC 8 full level
F02B 33/36 (2006.01); **F04C 18/10** (2006.01); **F04C 28/28** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP)
F04C 29/0035 (2013.01)

Citation (search report)
• [Y] GB 336295 A 19301013 - GEORGE EDWARD THOMAS EYSTON
• [Y] US 2077733 A 19370420 - AMTSBERG LESTER A
• [Y] GB 2098662 A 19821124 - SULLAIR TECH AB
• [A] GB 420501 A 19341203 - SULZER AG
• [A] US 4531378 A 19850730 - NISHI YASUYUKI [JP], et al

Cited by
DE3911541C1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0285100 A2 19881005; **EP 0285100 A3 19890531**; JP S63243482 A 19881011

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