

Title (en)
RADIAL FAN WITH INTEGRAL DIRT SEPARATOR

Publication
EP 0340471 B1 19920624 (DE)

Application
EP 89106120 A 19890407

Priority
DE 3814721 A 19880430

Abstract (en)
[origin: US4971518A] In a radial fan suitable in particular for traction vehicles, 10-15% of the conveyed air quantity is diverted radially from the cooling-air path by guide devices (10) which at the same time serve as a separator; the main proportion passes to the coolers after a 90 DEG deflection. In this way, dirt particles such as dust, snow, spray water, etc, are effectively kept away from the coolers.

IPC 1-7
F04D 17/16; **F04D 29/70**

IPC 8 full level
F04D 17/16 (2006.01); **F04D 29/46** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP US)
F04D 29/4233 (2013.01 - EP); **F04D 29/462** (2013.01 - EP US); **F04D 29/703** (2013.01 - EP US)

Cited by
FR2909729A1; CN102859201A; EP0525366A3; CN105937501A; WO9405628A1; WO2008071501A1; WO2011107267A3

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

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EP 0340471 A2 19891108; **EP 0340471 A3 19900117**; **EP 0340471 B1 19920624**; AT E77678 T1 19920715; AU 3321489 A 19891102; AU 620607 B2 19920220; CA 1333384 C 19941206; DE 3814721 A1 19891109; DE 58901727 D1 19920730; DK 173022 B1 19991115; DK 195889 A 19891031; DK 195889 D0 19890424; ES 2033043 T3 19930301; NO 891428 D0 19890406; NO 891428 L 19891031; US 4971518 A 19901120; ZA 893069 B 19891227

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