

Title (en)

Fan construction.

Title (de)

Lüfterradbauweise.

Title (fr)

Construction de ventilateur.

Publication

EP 0208031 A1 19870114 (EN)

Application

EP 85304883 A 19850709

Priority

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Abstract (en)

A fan comprising a rotatable fan shaft (10), a hub (14, 15) mounted on the shaft, a plurality of blades (16), the axes of which extend generally radially outwardly with respect to the axis of rotation of the fan shaft, the inner ends of the blades (16) being connected to the shaft by a torsion bar spring (24) secured, at one end (22), directly to the inner end of each blade (16) and, at the other end (26), directly to the shaft (10), the torsion bars each serving to act as a strut to transmit the blade axial loads.

IPC 1-7

F04D 29/36

IPC 8 full level

F04D 29/36 (2006.01)

CPC (source: EP)

F04D 29/362 (2013.01)

Citation (search report)

- [X] US 2495434 A 19500124 - TROLLER THEODOR H
- [X] GB 590141 A 19470709 - POWER JETS RES & DEV LTD, et al
- [X] DE 1503480 A1 19700702 - KUEHNLE KOPP KAUSCH AG
- [A] FR 1263168 A 19610605 - SULZER AG

Cited by

CN1046572C; CN104141634A; CN111623455A; CN109026837A; WO2018232838A1

Designated contracting state (EPC)

DE GB IT NL SE

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