

Title (en)

A volute casing for fans for use in fan convectors

Title (de)

Ventilatorenspiralgeläuse geeignet für Konvektoren

Title (fr)

Carter de volute pour ventilateurs utilisable dans un convecteur

Publication

**EP 1517044 A1 20050323 (EN)**

Application

**EP 03425614 A 20030922**

Priority

EP 03425614 A 20030922

Abstract (en)

A casing, in particular, a volute casing (1) which is intended to constitute the housing of the rotor (7) of a fan particularly for fan convectors, comprises a first portion (2) and a second portion (3) that are connected to one another in a coupling plane (4) by releasable connection means (5, 6); the first portion (2) is intended to be connected to the frame of the fan convector or to a part thereof and the second portion (3) is the portion which acts as a closure cover of the casing (1). The first portion (2) is made of a first material having a mechanical stiffness value no greater than that of the material of the frame or part thereof to which the portion is connected and the second portion (3) is made of a second material having a mechanical stiffness value no greater than that of the said first material. <IMAGE>

IPC 1-7

**F04D 29/42**; F04D 29/62; F04D 29/02

IPC 8 full level

**F04D 29/02** (2006.01); **F04D 29/42** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP)

**F04D 29/023** (2013.01); **F04D 29/4226** (2013.01); **F04D 29/626** (2013.01); **F05D 2260/96** (2013.01); **F05D 2300/501** (2013.01)

Citation (search report)

- [XA] US 2003159803 A1 20030828 - HANSEN OLE [DK]
- [A] US 2002178980 A1 20021205 - GATLEY WILLIAM STUART [US]
- [A] US 5639228 A 19970617 - VAN DE VENNE GUENTER [DE], et al
- [A] DE 19721367 A1 19971204 - FIME FAB IT MOTOR ELETT [IT]
- [A] DE 4321924 C1 19940623 - SIEGENIA FRANK KG [DE]
- [A] DE 19906537 A1 20000831 - BEHR GMBH & CO [DE]

Cited by

JPWO2017077595A1; CN108350905A

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