

Title (en)
FAN BLADE

Title (de)
VENTILATORSCHAUFEL

Title (fr)
PALE DE VENTILATEUR

Publication
EP 2433014 B1 20190501 (DE)

Application
EP 10724699 A 20100519

Priority

- EP 2010003082 W 20100519
- DE 102009022181 A 20090520

Abstract (en)
[origin: WO2010133354A1] The invention relates to a fan blade (6), in particular for smoke extractor fans, comprising fastening means (5) for mounting the fan blade (6) on a fan hub, and a blade section (7). In order to improve such a fan blade (6) in terms of the amount of material used and the mass, the blade section (7) has an outer casing (8) which encloses a hollow space.

IPC 8 full level
F04D 29/38 (2006.01)

CPC (source: EP KR US)
F04D 29/023 (2013.01 - KR); **F04D 29/324** (2013.01 - KR); **F04D 29/388** (2013.01 - EP US); **F04D 29/403** (2013.01 - KR);
F24F 7/06 (2013.01 - KR)

Citation (examination)
GB 706076 A 19540324 - L J WING MFG CO

Cited by
US9965886B2; US8681168B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
DE 102009022181 A1 20101125; AU 2010251465 A1 20120119; AU 2010251465 B2 20150312; CN 102439320 A 20120502;
DK 2433014 T3 20190729; EP 2433014 A1 20120328; EP 2433014 B1 20190501; ES 2733090 T3 20191127; KR 101938349 B1 20190114;
KR 20120042749 A 20120503; KR 20170081754 A 20170712; PL 2433014 T3 20191031; PT 2433014 T 20190604; TR 201908892 T4 20190722;
US 2012063906 A1 20120315; US 9869325 B2 20180116; WO 2010133354 A1 20101125

DOCDB simple family (application)
DE 102009022181 A 20090520; AU 2010251465 A 20100519; CN 201080022389 A 20100519; DK 10724699 T 20100519;
EP 10724699 A 20100519; EP 2010003082 W 20100519; ES 10724699 T 20100519; KR 20117028714 A 20100519;
KR 20177018404 A 20100519; PL 10724699 T 20100519; PT 10724699 T 20100519; TR 201908892 T 20100519; US 201013321398 A 20100519