

Title (en)
THIN AIRFOIL CEILING FAN BLADE

Title (de)
DECKENLÜFTERSCHAUFEL FÜR EINE DÜNNE TRAGFLÄCHE

Title (fr)
PALE DE VENTILATEUR DE PLAFOND FORMANT UNE AILE MINCE

Publication
EP 2805061 A1 20141126 (EN)

Application
EP 13737994 A 20130117

Priority
• US 201261588932 P 20120120
• US 2013021873 W 20130117

Abstract (en)
[origin: US2013189109A1] A fan blade comprising a root end, a blade region, and a transition region. Wherein each of the root end and blade region comprise a unique profile, and wherein the transition region comprises a profile which transitions the root end profile to the blade region profile. The root end profile comprises a substantially convex top surface, a substantially concave domed sector, and reliefs to allow for the root end to be coupled with a similarly shaped fan hub extrusion. The blade region profile comprises a substantially convex top surface and bottom surface which terminate at a leading edge and trailing edge. The blade region slopes upward along a length of the blade region and terminates at a curved tip.

IPC 8 full level
F04D 29/38 (2006.01); **B64C 11/16** (2006.01); **F04D 29/34** (2006.01)

CPC (source: EP US)
F01D 5/02 (2013.01 - US); **F04D 25/088** (2013.01 - EP US); **F04D 29/34** (2013.01 - EP US); **F04D 29/384** (2013.01 - EP US)

Cited by
EP3779204A4; US11506213B2

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 RS SE SI SK SM TR

DOCDB simple family (publication)
US 2013189109 A1 20130725; AU 2013209789 A1 20140821; AU 2013209789 B2 20170629; CA 2861920 A1 20130725; CA 2861920 C 20221018; CN 104169587 A 20141126; CO 7051022 A2 20140910; EP 2805061 A1 20141126; EP 2805061 A4 20151028; EP 2805061 B1 20180919; ES 2700977 T3 20190220; HK 1203223 A1 20151023; IL 233719 A0 20140930; IL 233719 A 20160831; IN 6524DEN2014 A 20150612; MY 173536 A 20200203; SG 11201404219S A 20140828; WO 2013109711 A1 20130725

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US 201313743456 A 20130117; AU 2013209789 A 20130117; CA 2861920 A 20130117; CN 201380014722 A 20130117; CO 14182399 A 20140820; EP 13737994 A 20130117; ES 13737994 T 20130117; HK 15103697 A 20150415; IL 23371914 A 20140720; IN 6524DEN2014 A 20140804; MY PI2014002125 A 20130117; SG 11201404219S A 20130117; US 2013021873 W 20130117