

Title (en)
METHOD FOR PRODUCING CENTRIFUGAL FAN

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES ZENTRIFUGALGEBLÄSES

Title (fr)
PROCÉDÉ DE PRODUCTION DE VENTILATEUR CENTRIFUGE

Publication
EP 2835539 B1 20180328 (EN)

Application
EP 14771179 A 20140509

Priority
• KR 20130053262 A 20130510
• KR 20140045018 A 20140415
• KR 2014004162 W 20140509

Abstract (en)
[origin: EP2835539A1] Disclosed is a method of manufacturing a centrifugal fan including the steps of: (a) cutting a metal sheet to form a positive pressure surface forming member and a negative pressure surface forming member respectively configuring a positive pressure surface and a negative pressure surface; (b) pressing the positive pressure surface forming member and the negative pressure surface forming member to form a first curved surface portion configuring the positive pressure surface and a second curved surface portion configuring the negative pressure surface; (c) trimming the positive pressure surface forming member provided with the first curved surface portion and the negative pressure surface forming member provided with the second curved surface portion to form a shroud bonding surface portion and a main plate bonding surface portion; (d) bending the shroud bonding surface portion and the main plate bonding surface portion; (e) bonding the positive pressure surface forming member and the negative pressure surface forming member to each other; and (f) bonding the shroud bonding surface portion and a shroud to each other and bonding the main plate bonding surface portion and a main plate to each other in a bonded state of the positive pressure surface forming member and the negative pressure surface forming member.

IPC 8 full level
F04D 29/28 (2006.01); **F04D 29/30** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP)
F04D 29/281 (2013.01); **F04D 29/30** (2013.01); **F04D 29/624** (2013.01)

Cited by
EP4166791A1; CN107429707A; EP3247949A4; US10400781B2

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)
EP 2835539 A1 20150211; **EP 2835539 A4 20161012**; **EP 2835539 B1 20180328**; WO 2014182126 A1 20141113

DOCDB simple family (application)
EP 14771179 A 20140509; KR 2014004162 W 20140509