

Title (en)
IMPELLER AND METHOD FOR PRODUCING A VANE

Title (de)
SCHAUFELRAD UND VERFAHREN ZUR HERSTELLUNG EINER SCHAUFEL

Title (fr)
ROUE À AUBES ET PROCÉDÉ DE FABRICATION D'UNE AUBE

Publication
EP 2935805 A1 20151028 (DE)

Application
EP 13786193 A 20131023

Priority
• EP 13155707 A 20130219
• EP 2013072125 W 20131023
• EP 13786193 A 20131023

Abstract (en)
[origin: EP2767678A1] The impeller has wheel disc with disk element (2) having entrance side (3) and exit side (4). The circumference of wheel disc is distributed with axial grooves (5) and several blades (6) having blade root (7). Two plant metal sheets (12) are provided at exit and entrance sides so that exit-side blade root face surface (9) and entry-side blade root face surface (8) of blade root are partially rested against respective plant metal sheets. The disk element is connected with second plant metal sheet by radial connector (15) so that blade root is fixed in radial outer position in groove. An independent claim is included for method for manufacturing blade.

IPC 8 full level
F01D 25/28 (2006.01); **B23P 6/00** (2006.01); **F01D 5/30** (2006.01); **F01D 5/32** (2006.01)

CPC (source: EP US)
F01D 5/02 (2013.01 - US); **F01D 5/12** (2013.01 - US); **F01D 5/3015** (2013.01 - EP US); **F01D 5/326** (2013.01 - EP US);
F01D 25/285 (2013.01 - EP US); **F05D 2220/30** (2013.01 - US); **F05D 2230/10** (2013.01 - EP US); **F05D 2230/50** (2013.01 - US);
F05D 2230/80 (2013.01 - EP US); **F05D 2260/821** (2013.01 - EP US); **Y10T 29/49337** (2015.01 - EP US)

Citation (search report)
See references of WO 2014127859A1

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

Designated extension state (EPC)
BA ME

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EP 2767678 A1 20140820; EP 2935805 A1 20151028; US 2015369063 A1 20151224; WO 2014127859 A1 20140828

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EP 13155707 A 20130219; EP 13786193 A 20131023; EP 2013072125 W 20131023; US 201314766830 A 20131023