

Title (en)
IMPELLER HAVING BALANCE COMPENSATION

Title (de)
LAUFRAD MIT WUCHTAUSGLEICH

Title (fr)
ROTOR À COMPENSATION DE BALOURD

Publication
EP 2898221 A1 20150729 (DE)

Application
EP 13745608 A 20130724

Priority
• DE 202012103554 U 20120918
• EP 2013065627 W 20130724

Abstract (en)
[origin: WO2014044441A1] The invention relates to an impeller (1) for a fan, in particular an axial or radial fan having a hub (2) for connecting the impeller (1) to a drive motor and having fan blades (6) which are arranged circumferentially around the hub (2) and having pockets (9) in the hub region, having balance weights (15) which can be fastened therein, aligned in the axial direction. The balance weights (15) are made of U-shaped, bent weight clips made of spring-elastic material, having at least two opposite clip legs extending parallel to each other which are connected to each other via a bend section, and comprise a clamping gap between the clip legs. One of the clip legs extends within the pockets (9) and the other clip leg extends outside of the pockets (9), such that there is a clamping seat on a pocket wall (12) extending in the clamping gap.

IPC 8 full level
F04D 29/66 (2006.01)

CPC (source: CN EP US)
F04D 17/16 (2013.01 - EP US); **F04D 19/002** (2013.01 - EP US); **F04D 29/601** (2013.01 - EP US); **F04D 29/662** (2013.01 - CN EP US)

Citation (search report)
See references of WO 2014044441A1

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

DOCDB simple family (publication)
DE 202012103554 U1 20131220; CN 104685221 A 20150603; CN 104685221 B 20170419; EP 2898221 A1 20150729; EP 2898221 B1 20190911; US 10018206 B2 20180710; US 2015233389 A1 20150820; WO 2014044441 A1 20140327; WO 2014044441 A4 20140605

DOCDB simple family (application)
DE 202012103554 U 20120918; CN 201380048422 A 20130724; EP 13745608 A 20130724; EP 2013065627 W 20130724; US 201314428595 A 20130724