

Title (en)
BLENDER APPARATUS AND METHOD

Title (de)
MISCHVORRICHTUNG UND -VERFAHREN

Title (fr)
APPAREIL MÉLANGEUR ET PROCÉDÉ

Publication
EP 2895258 A4 20160518 (EN)

Application
EP 12884349 A 20120917

Priority
US 2012055731 W 20120917

Abstract (en)
[origin: WO2014042655A1] A method and apparatus for blending liquids and granular materials in which an impeller assembly (27) is mounted for rotation within a housing (20) at a lower end (13) of a particles inlet (12) and characterized in particular by circumferentially spaced impeller vanes (28) in outer concentric relation to a series of expeller vanes (29, 29') surrounding the particles inlet and which together propel the solid particles outwardly to intermix with the liquid introduced into the annulus surrounding the impeller assembly, and different selected vane configurations (52, 61) are provided with circumferential portions protruding into the path of counterflow of the slurry from the annulus in order to keep the eye or central area of the impeller assembly dry.

IPC 8 full level
B01F 3/12 (2006.01); **B01F 5/22** (2006.01); **B01F 7/16** (2006.01); **B01F 15/02** (2006.01); **B01F 25/74** (2022.01)

CPC (source: EP RU)
B01F 23/50 (2022.01 - EP RU); **B01F 25/74** (2022.01 - EP); **B01F 27/80** (2022.01 - RU)

Citation (search report)

- [XAI] US 7334937 B2 20080226 - ARRIBAU JORGE O [US], et al
- [A] EP 0445875 A1 19910911 - PUMPTECH NV [BE], et al
- See references of WO 2014042655A1

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)
WO 2014042655 A1 20140320; AU 2012389829 A1 20150326; AU 2012389829 B2 20171116; AU 2018200356 A1 20180208; AU 2018200356 B2 20190418; CA 2884578 A1 20140320; CA 2884578 C 20160705; CN 104812471 A 20150729; CN 104812471 B 20161109; EP 2895258 A1 20150722; EP 2895258 A4 20160518; RU 2015114174 A 20161110; RU 2604628 C2 20161210

DOCDB simple family (application)
US 2012055731 W 20120917; AU 2012389829 A 20120917; AU 2018200356 A 20180116; CA 2884578 A 20120917; CN 201280076982 A 20120917; EP 12884349 A 20120917; RU 2015114174 A 20120917