Title (en)

MIXING APPARATUS WITH STATOR AND METHOD

Title (de)

MISCHVORRICHTUNG MIT STATOR UND VERFAHREN

Title (fr)

APPAREIL DE MÉLANGE AVEC STATOR ET PROCÉDÉ DE MÉLANGE

Publication

EP 3110539 A4 20171108 (EN)

Application

EP 15755550 A 20150224

Priority

- US 201414192838 A 20140227
- US 201414192821 A 20140227
- US 2015017175 W 20150224

Abstract (en)

[origin: WO2015130619A1] A mixer and method for mixing are provided. The mixer includes a housing having a fluid inlet, an additive inlet, and an outlet, with the housing defining a mixing chamber in fluid communication with the fluid inlet, the additive inlet, and the outlet. The mixer also includes an impeller disposed in the mixing chamber, wherein, when rotated, the impeller draws fluid through the fluid inlet. The mixer also includes a slinger disposed in the mixing chamber and configured to receive the fluid from the impeller and to receive an additive from the additive inlet. When rotated, the slinger slings the fluid and the additive radially outwards. The mixer further includes a stator disposed at least partially around the slinger, with the stator including vanes spaced circumferentially apart so as to define flowpaths therebetween.

IPC 8 full level

B01F 27/91 (2022.01)

CPC (source: EP NO)

B01F 23/53 (2022.01 - EP NO); **B01F 25/85** (2022.01 - EP NO); **B01F 27/192** (2022.01 - EP NO); **B01F 27/807** (2022.01 - NO); **B01F 27/8111** (2022.01 - NO); **B01F 27/812** (2022.01 - EP); B01F 2101/49 (2022.01 - EP NO)

Citation (search report)

- [XA] WO 2013099826 A1 20130704 - JTEKT CORP [JP]
- [XA] JP S5715828 A 19820127 - YAMATO BORING KK
- [XA] EP 2609999 A1 20130703 - JTEKT CORP [JP]
- [XA] EP 0048312 A1 19820331 - IVARSON NEMO
- [A] EP 0241056 A1 19871014 - SCHLUMBERGER CIE DOWELL [FR]
- See references of WO 2015130619A1

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 2015130619 A1 20150903; CA 2939162 A1 20150903; CA 2939162 C 20231024; CN 106457178 A 20170222; CN 106457178 B 20201106; EA 038757 B1 20211014; EA 201691737 A1 20161230; EP 3110539 A1 20170104; EP 3110539 A4 20171108; EP 3110539 B1 20210707; MX 2016011071 A 20161130; MX 2019014917 A 20200207; NO 20161286 A1 20160810; SA 516371756 B1 20210906

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