

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 A1 20170104 (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)

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