

Title (en)  
MIXING SHAFT

Title (de)  
MISCHWELLE

Title (fr)  
ARBRE DE MÉLANGE

Publication  
**EP 3439774 A1 20190213 (DE)**

Application  
**EP 17715454 A 20170403**

Priority  
• DE 102016106536 A 20160408  
• DE 202016106597 U 20161125  
• EP 2017057874 W 20170403

Abstract (en)  
[origin: CA3018023A1] The present invention relates to a mixing shaft (1) having a tool holder (2) and having a mixing vane (3), wherein the tool holder (2) has a recess in which a section of the mixing vane (3) is fastened. In order to provide a corresponding simple mixing shaft (1) with tool holders (2) which reliably permits individual exchange of individual mixing vanes in a simple manner, it is proposed according to the invention that a clamping part (11) inserted into the recess is provided for fixing the mixing vane section in the recess, wherein clamping part (11), recess and mixing vane section are designed such that a non-positively locking connection of the mixing vane in the recess is realized by means of the clamping part (11).

IPC 8 full level  
**B01F 27/91** (2022.01); **B01F 27/71** (2022.01)

CPC (source: EP KR RU US)  
**B01F 27/00** (2022.01 - RU); **B01F 27/071** (2022.01 - EP KR US); **B01F 27/0722** (2022.01 - EP KR US); **B01F 27/0724** (2022.01 - EP KR US); **B01F 27/1121** (2022.01 - EP KR US); **B01F 27/191** (2022.01 - EP KR US); **B01F 27/192** (2022.01 - EP KR US); **B01F 27/2121** (2022.01 - EP US); **B01F 27/90** (2022.01 - RU)

Cited by  
WO2024083663A1; DE102022127727A1

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 202016106597 U1 20170712**; AR 108187 A1 20180725; BR 112018070393 A2 20190205; BR 112018070393 B1 20230117; CA 3018023 A1 20171012; CA 3018023 C 20190528; CN 109070027 A 20181221; CN 109070027 B 20191126; CN 206897205 U 20180119; DE 102016106536 A1 20171012; DK 3439774 T3 20200831; EP 3439774 A1 20190213; EP 3439774 B1 20200805; ES 2813607 T3 20210324; JP 2019513544 A 20190530; JP 6569016 B2 20190828; KR 102023350 B1 20190920; KR 20180125027 A 20181121; PL 3439774 T3 20210125; PT 3439774 T 20200911; RU 2683090 C1 20190326; TW 201739506 A 20171116; TW I735554 B 20210811; UA 122438 C2 20201110; US 10456758 B2 20191029; US 2019076802 A1 20190314; WO 2017174521 A1 20171012; ZA 201806331 B 20191218

DOCDB simple family (application)  
**DE 202016106597 U 20161125**; AR P170100882 A 20170405; BR 112018070393 A 20170403; CA 3018023 A 20170403; CN 201720366236 U 20170407; CN 201780020415 A 20170403; DE 102016106536 A 20160408; DK 17715454 T 20170403; EP 17715454 A 20170403; EP 2017057874 W 20170403; ES 17715454 T 20170403; JP 2018551843 A 20170403; KR 20187032288 A 20170403; PL 17715454 T 20170403; PT 17715454 T 20170403; RU 2018139150 A 20170403; TW 106109206 A 20170320; UA A201810978 A 20170403; US 201716084659 A 20170403; ZA 201806331 A 20180920