

Title (en)
MULTI-LEVEL STIRRING ELEMENT

Title (de)
MEHREBIGES RÜHRORGAN

Title (fr)
ORGANE D'AGITATION MULTIPLE

Publication
EP 3639915 A1 20200422 (DE)

Application
EP 18200749 A 20181016

Priority
EP 18200749 A 20181016

Abstract (en)
[origin: RU2770580C2] FIELD: mixing.SUBSTANCE: invention relates to a kneading organ of a kneading machine for mixing and/or homogenizing fluids. The kneading machine for mixing and/or homogenizing fluids with a driven kneading shaft and at least one kneading organ (1) is described, wherein each kneading organ (1) is motionlessly connected in the direction of rotation to the kneading shaft, wherein kneading organ (1) is equipped with at least two kneading bodies (2) having fluid inlet and outlet, wherein at least two kneading bodies are motionlessly connected to the shaft using single bearing lever (3), inlet (5) is larger than outlet (6), wherein kneading bodies (2) belonging to kneading organ (1) are located on different planes perpendicular along the normal to the kneading shaft, which in the axial direction respectively have a certain distance from each other, wherein, during operation, the longitudinal axis of bearing lever (3) is oriented essentially perpendicular to the longitudinal axis of the kneading shaft, wherein kneading bodies (2) have a conical shape.EFFECT: invention provides a kneading machine that can be operated at a higher rotational speed.6 cl, 2 dwg

Abstract (de)
Die vorliegende Erfindung betrifft ein Rührorgan für ein Rührwerk zum Mischen und/oder Homogenisieren strömungsfähiger Medien, mit wenigstens zwei eine Eintrittsöffnung und eine Austrittsöffnung für das strömungsfähige Medium aufweisenden Rührkörpern (2), wobei die Eintrittsöffnung (5) größer als die Austrittsöffnung (6) ist, dadurch gekennzeichnet, dass die zu dem Rührorgan (1) zugehörigen Rührkörper (2) auf unterschiedlichen, normal (senkrecht) zur Rührwelle stehenden Ebenen, die in axialer Richtung jeweils einen definierten Abstand zueinander aufweisen, angeordnet sind.

IPC 8 full level
B01F 7/00 (2006.01)

CPC (source: EP RU)
B01F 27/0726 (2022.01 - EP RU); **B01F 27/117** (2022.01 - EP RU); **B01F 27/191** (2022.01 - EP RU)

Citation (applicant)
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Citation (search report)
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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)
EP 3639915 A1 20200422; **EP 3639915 B1 20220720**; DK 3639915 T3 20221017; ES 2927666 T3 20221110; HU E059951 T2 20230128; PL 3639915 T3 20230109; RU 2019132610 A 20210415; RU 2019132610 A3 20211014; RU 2770580 C2 20220418

DOCDB simple family (application)
EP 18200749 A 20181016; DK 18200749 T 20181016; ES 18200749 T 20181016; HU E18200749 A 20181016; PL 18200749 T 20181016; RU 2019132610 A 20191015