

Title (en)

Treatment apparatus for highly viscous fluid

Title (de)

Behandlungsvorrichtung für hochviskoses Fluid

Title (fr)

Appareil de traitement pour fluide hautement visqueux

Publication

EP 2719448 B1 20151014 (EN)

Application

EP 13150447 A 20130108

Priority

JP 2012226977 A 20121012

Abstract (en)

[origin: EP2719448A1] A treatment apparatus for production of solid/liquid type treatment materials in chemistry, medicines, electronics, ceramics, foods, feed or the like, which conducts a mixing and kneading, kneading or dispersion treatment of a highly viscous paste preliminarily mixed and kneaded having a viscosity range of 10 to 2,500 dPa · s, without using dispersion media or beads. This treatment apparatus comprises a vessel having a supply port and a discharge port of treatment materials, and a rotating body rotatably disposed in the vessel. An annular fine gap is formed between an inner face of the vessel and an outer periphery face of the rotating body for passage of the treatment materials, while being subject to the treatment by the rotating body. The surface of the rotating body which faces the fine gap is provided with notches formed by a knurling process.

IPC 8 full level

B01F 7/00 (2006.01); **B01F 23/57** (2022.01); **B01F 27/74** (2022.01)

CPC (source: EP KR)

B01F 23/50 (2022.01 - KR); **B01F 27/00** (2022.01 - KR); **B01F 27/0531** (2022.01 - EP); **B01F 27/2722** (2022.01 - EP)

Cited by

EP2995370A1

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)

EP 2719448 A1 20140416; **EP 2719448 B1 20151014**; CN 103721592 A 20140416; CN 103721592 B 20151118; ES 2552185 T3 20151126; JP 2014076441 A 20140501; JP 6023541 B2 20161109; KR 101477555 B1 20141230; KR 20140047490 A 20140422

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