

Title (en)

CONTINUOUS-FLOW TREATMENT SYSTEM FOR SOLID FOOD AND ANIMAL FEED AND OTHER BULK MATERIALS, HAVING A HEAT TREATMENT DEVICE FOR THERMAL CONTINUOUS-FLOW TREATMENT

Title (de)

DURCHLAUFBEHANDLUNGSANLAGE FÜR FESTE LEBENS- UND FUTTERMITTEL UND ANDERE SCHÜTTGÜTER, MIT EINER WÄRMEBEHANDLUNGSVORRICHTUNG ZUR THERMISCHEN DURCHLAUFBEHANDLUNG

Title (fr)

DISPOSITIF DE TRAITEMENT CONTINU D'ALIMENTS SOLIDES POUR HUMAINS ET D'ALIMENTS SOLIDES POUR ANIMAUX ET D'AUTRES PRODUITS EN VRAC, MUNI D'UN DISPOSITIF DE TRAITEMENT THERMIQUE POUR RÉALISER UN TRAITEMENT THERMIQUE CONTINU

Publication

EP 3749113 A1 20201216 (DE)

Application

EP 19706901 A 20190207

Priority

- DE 102018102700 A 20180207
- DE 102018102702 A 20180207
- EP 2019053007 W 20190207

Abstract (en)

[origin: WO2019154912A1] The invention relates to a continuous-flow treatment system having a heat treatment device (100) for the thermal continuous-flow treatment of solid food and animal feed and other bulk materials, comprising: a tubular drum (10) having a motor-driven shaft (12) and a drum casing (11) connected to same via spoke elements, wherein the drum (10) is open at the end sides thereof; a screw conveyor (16) attached to the inner side of the drum casing (11); a housing (30) which can be closed on all sides, in which the drum (10) is rotatably mounted, and which has at least a respective supply opening and discharge opening (34), wherein of the components forming the drum (10), at least the drum casing (11) is completely surrounded by the housing (30); at least one temperature sensor arranged in the drum (10); and a heating device (50) having a hot air generator and an air distributor (51) with at least one wide-slot nozzle (52) extending up to the drum casing (11).

IPC 8 full level

A23N 12/10 (2006.01); **A23L 3/00** (2006.01); **A23L 3/18** (2006.01); **A23N 17/00** (2006.01)

CPC (source: EP US)

A23L 3/001 (2013.01 - EP); **A23L 3/18** (2013.01 - EP); **A23L 3/225** (2013.01 - US); **A23N 12/10** (2013.01 - EP); **A23N 17/004** (2013.01 - EP US); **A23V 2300/24** (2013.01 - US)

Citation (search report)

See references of WO 2019154912A1

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)

WO 2019154912 A1 20190815; EP 3749113 A1 20201216; US 2020367535 A1 20201126

DOCDB simple family (application)

EP 2019053007 W 20190207; EP 19706901 A 20190207; US 202016988412 A 20200807