

Title (en)

Machine for pressing fruit or similar products, and method for cleaning its drainage channels

Title (de)

Maschine zum Auspressen von Obst oder ähnlichen Produkten und Verfahren zur Reinigung ihrer Entwässerungsrinnen

Title (fr)

Machine permettant de presser des fruits ou des produits similaires et procédé de nettoyage de ses canaux de drainage

Publication

EP 2821214 A1 20150107 (EN)

Application

EP 14174918 A 20140630

Priority

IT VE20130033 A 20130702

Abstract (en)

An improved machine (2) for pressing fruit or similar products, comprising: - a cylindrical drum (4) rotating about a central shaft (6), - a plurality of annular-shaped grids (12) applied to the interior of the drum (4) and spaced therefrom such as to define, with the inner surface (10) thereof, drainage channels (18) each provided with at least one aperture (22) communicating with a manifold (24) connected to the environment external to the machine, - a membrane (8) wrapped about said central shaft (6) and intended to be selectively inflated in order to press the product against the inner surface (10) of the drum (4) and against said grids (12) such that the liquid obtained by pressing can be collected inside said drainage channels (18), characterised in that the drainage channels (18) are provided in their interior with a plurality of free bodies (20) intended to be put into movement by the rotation of the machine drum (4), there being provided, to correspond with each aperture (22) of the drainage channels (18), an element (26) which surrounds said aperture (22) and is positioned at a distance (30) from the wall standing in front of the drainage channel (18) which is less than the minimum dimension of said bodies (20).

IPC 8 full level

B30B 9/22 (2006.01); **B07B 1/54** (2006.01)

CPC (source: EP)

B07B 1/54 (2013.01); **B30B 9/225** (2013.01); **B08B 7/02** (2013.01)

Citation (applicant)

- EP 0721836 A2 19960717 - DELLA TOFFOLA SPA [IT]
- EP 1338408 A2 20030827 - BONAZZOLI DARIO [IT]
- JP H02125789 A 19900514 - FUJI PHOTO FILM CO LTD

Citation (search report)

- [AD] EP 0721836 A2 19960717 - DELLA TOFFOLA SPA [IT]
- [AD] JP H02125789 U 19901017
- [AD] EP 1338408 A2 20030827 - BONAZZOLI DARIO [IT]
- [A] US 2011186484 A1 20110804 - HEITFELD MARK [US]
- [A] WO 2006053914 A1 20060526 - POLINOX GALICIA S A [ES], et al
- [A] WO 0121385 A2 20010329 - FRANZ SCHARFENBERGER [DE], et al
- [A] US 6253928 B1 20010703 - WEBER JOSEPH A [US]

Cited by

CN106269498A; JP2016073957A

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

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