

Title (en)

Machine for grinding granular products with vibratory feeding of the product

Title (de)

Maschine zum Schleifen von körnigen Produkten mit Vibrationszuführung des Produkts

Title (fr)

Machine pour broyer des produits granulaires avec alimentation vibratoire du produit

Publication

EP 2689852 A3 20150902 (EN)

Application

EP 13177654 A 20130723

Priority

IT MI20121287 A 20120724

Abstract (en)

[origin: EP2689852A2] Machine for grinding granular products, comprising at least one pair of rolling cylinders (2) extending and rotating about a longitudinal axis (X-X) and a vibrating apparatus for feeding the product to said cylinders, comprising at least one casing (11) provided with an opening (12) for entry of the product and a nozzle (14) extending along the longitudinal direction (X-X) for dispensing the product to the cylinders (2), said casing (11) being connected to at least one vibrating device (20;120) arranged between a fixed frame (1) of the machine and the casing (11) itself and able to impart a vibratory movement to the feed apparatus, wherein the casing (11) has an approximately trapezoidal form with its bottom larger base (11a) directed towards the rolling cylinders (2) and top smaller base (11b) provided with an opening (12) for entry of the product into the casing (11) and the casing (11) is arranged in a top position substantially outside of the machine.

IPC 8 full level

B02C 4/28 (2006.01)

CPC (source: EP)

B02C 4/286 (2013.01)

Citation (search report)

- [XY] US 4905917 A 19900306 - FETZER WILHELM [CH], et al
- [XAY] EP 0829301 A1 19980318 - DEUTZ AG [DE]
- [YA] US 2696351 A 19541207 - WOODY GUY V
- [Y] US 2011024446 A1 20110203 - SARAJIAN TY [US]
- [A] WO 0132312 A1 20010510 - AGREX SPA [IT], et al
- [A] GB 887322 A 19620117 - SIMON LTD HENRY

Cited by

CN112844562A; US10967381B2; WO2020178044A1; WO2023043393A1

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 2689852 A2 20140129; EP 2689852 A3 20150902; CN 103567014 A 20140212; IT MI20121287 A1 20140125

DOCDB simple family (application)

EP 13177654 A 20130723; CN 201310454525 A 20130724; IT MI20121287 A 20120724