

Title (en)
AN APPARATUS FOR TREATING A PRODUCT

Title (de)
VORRICHTUNG ZUR BEHANDLUNG EINES PRODUKTES

Title (fr)
APPAREIL SERVANT À TRAITER UN PRODUIT

Publication
EP 2629934 B1 20140723 (EN)

Application
EP 11799114 A 20111010

Priority
• IT BO20100631 A 20101019
• IB 2011054457 W 20111010

Abstract (en)
[origin: WO2012052873A2] An apparatus (10) for treating a product (11) is provided, in particular for tumbling a surface of the product. The apparatus comprises vibration means designed to move the product treatment composition and product retaining means in the form of magnetic anchoring means (12a, 12b).

IPC 8 full level
B24B 31/06 (2006.01); **B24B 41/06** (2012.01)

CPC (source: EP US)
B24B 7/02 (2013.01 - US); **B24B 31/064** (2013.01 - EP US); **B24B 41/065** (2013.01 - EP US)

Citation (opposition)
Opponent : Walther Trowal GmbH & Co. KG
• DE 102010036547 A1 20120126 - WALTHER TROWAL GMBH & CO KG [DE]
• GB 1018759 A 19660202 - JOACHIM ANTON BESUCH
• US 6489871 B1 20021203 - BARTON SIMON C [US]
• US 6636193 B1 20031021 - ASAO YASUFUMI [JP], et al
• WO 2011045285 A1 20110421 - WALTHER TROWAL GMBH & CO KG [DE], et al
• DE 102005047303 A1 20070412 - WALTHER TROWAL GMBH & CO KG [DE]
• DE 202008002036 U1 20080424 - ROESLER MATTHIAS [DE]
• DE 1926920 A1 19700115 - ZENTRONIK VEB K
• EP 1378322 A1 20040107 - BESTINCLASS S A [CH]
• US 2010013583 A1 20100121 - KIMURA SEIJI [JP]
• CARL ZEISS AG: "Bedienungsanleitung. Trowal- Rundvibrator mit Optionen", WALTHER TROWAL, XP055256751

Cited by
IT202000023284A1; EP3663040A3; IT201800009668A1; EP3998138A1; EP4324595A3

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)
WO 2012052873 A2 20120426; WO 2012052873 A3 20120705; EP 2629934 A2 20130828; EP 2629934 B1 20140723;
EP 2629934 B2 20220406; IT 1401855 B1 20130828; IT BO20100631 A1 20120420; US 2014235146 A1 20140821

DOCDB simple family (application)
IB 2011054457 W 20111010; EP 11799114 A 20111010; IT BO20100631 A 20101019; US 201113879853 A 20111010