

Title (en)
PROCESSING LINE FOR PRODUCING MULTILAYER BUILDING BLOCKS PROVIDED WITH A DECORATIVE FACE

Title (de)
BEARBEITUNGSSTRASSE ZUR HERSTELLUNG VON MEHRLAGIGEN, MIT EINER ZIERFLÄCHE VERSEHENEN BAUSTEINEN

Title (fr)
CHAÎNE DE PRODUCTION DESTINÉE À FABRIQUER DES BLOCS DE CONSTRUCTION MULTICOUCHES DOTÉS D'UNE FACE DÉCORATIVE

Publication
EP 1769895 A4 20090318 (EN)

Application
EP 05759316 A 20050608

Priority
• RU 2005000316 W 20050608
• RU 2004121081 A 20040716

Abstract (en)
[origin: EP1769895A1] Processing line comprises sand hoppers, concrete hoppers, water reservoir, surface-active agents reservoir with meters, mixer, mixture preparation section, roll type contours with vibrotable, loading hoppers, heat chamber, forms for blocks, press-down mechanism, release section. Line is made in the form of two roll type " " -contours: enclosed and enclosing ones, free ends of which are connected by common transversal section. Transversal sections are equipped with carriers moved by means of reversible winches. Loading section is made in form of vibrotable and is fixed on separate frame. Form is multi-celled with inserted bottom and with gap between walls of cells. Platform's base has crossbars and cantilevered wings throughout whole perimeter. Platform moves along vibrotable with help of step movement mechanism connected with rod of pneumatic cylinder. Press-down mechanism is made in form of bent shank ends of clumps interacting with wings. Loading hoppers have two unloading apertures, and each cell has mark located at end surface. Frame of line is equipped with columns having I-shaped section to accommodate heat insulating elements forming tube-heat chamber interacting with heater.

IPC 8 full level
B28B 5/00 (2006.01); **B28B 1/087** (2006.01); **B28B 5/04** (2006.01); **B28B 11/24** (2006.01); **B28B 15/00** (2006.01)

CPC (source: EP)
B28B 1/0873 (2013.01); **B28B 5/04** (2013.01); **B28B 11/245** (2013.01); **B28B 15/00** (2013.01)

Citation (search report)
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• [A] FR 2263869 A1 19751010 - EPIM PLACEMENTS IMMOB MOBILIER [LI]
• [A] US 2002017741 A1 20020214 - SUMRALL ORBIN F [US], et al
• [E] DATABASE WPI Week 200574, Derwent World Patents Index; AN 2005-722108, XP002513491
• [A] DATABASE WPI Week 198239, Derwent World Patents Index; AN 1982-M8742E, XP002513492
• See references of WO 2006009487A1

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
LV

DOCDB simple family (publication)
EP 1769895 A1 20070404; EP 1769895 A4 20090318; CN 1984758 A 20070620; CN 1984758 B 20100616; EA 007135 B1 20060630; EA 200500642 A1 20060428; RU 2250162 C1 20050420; UA 82445 C2 20080410; WO 2006009487 A1 20060126

DOCDB simple family (application)
EP 05759316 A 20050608; CN 200580023353 A 20050608; EA 200500642 A 20050429; RU 2004121081 A 20040716; RU 2005000316 W 20050608; UA A200613342 A 20050608