

Title (en)

Device for transporting slurry along two perpendicular axes and assembly for manufacturing mould blocks including such a device

Title (de)

Transportvorrichtung für Formmasse, die zwei senkrechten Achsen folgt, und Herstellungsanlage von Formsteinen, die eine solche Vorrichtung umfasst

Title (fr)

Dispositif de transport de pâte suivant deux axes perpendiculaires et ensemble de fabrication de blocs moulés comprenant un tel dispositif

Publication

EP 2711149 A1 20140326 (FR)

Application

EP 13185645 A 20130924

Priority

FR 1259000 A 20120925

Abstract (en)

The device (200) comprises: a main frame (202) comprising a main bearing unit intended to cooperate with a main track (16) to move the main frame according to a main direction; a transport hopper (201) supported by the main frame and supplied with a carbonaceous paste; devices (211, 212) for opening and closing the transport hopper by which the paste is delivered to a forming machine; and a secondary frame. The main frame includes guides defining a secondary track extending according to a second direction perpendicular to the main direction. The device (200) comprises: a main frame (202) comprising a main bearing unit intended to cooperate with a main track (16) to move the main frame according to a main direction; a transport hopper (201) supported by the main frame and supplied with a carbonaceous paste; devices (211, 212) for opening and closing the transport hopper by which the paste is delivered to a forming machine; and a secondary frame. The main frame includes guides defining a secondary track extending according to a second direction perpendicular to the main direction. The secondary frame is related to the transport hopper according to the main direction and the secondary direction and provided with a secondary bearing unit co-operating with the guides of the main frame to move the secondary frame on the secondary track according to the secondary direction. The opening and closing devices are interdependent of the transport hopper. The bearing units of the main frame and the secondary frame are rollers. The device further comprises an actuation unit interposed between the secondary frame and the main frame to move the secondary frame compared to the main frame according to the secondary direction, and a unit to measure the quantity of carbonaceous paste contained in the transport hopper. The secondary bearing unit includes three pairs of rollers including a pair of rollers placed on a rear side of the secondary frame and two pairs of rollers separated from each other by a determined distance and placed on a front side of the secondary frame. An independent claim is included for an assembly for manufacturing mould blocks.

Abstract (fr)

Dispositif de transport (200) de pâte carbonée, apte à se déplacer le long d'un chemin de roulement principal (16) s'étendant selon une première direction dite principale, pour alimenter des machines (1') de formage de blocs moulés, le dispositif (200) comprenant : - un châssis principal (202), comportant des moyens de roulement (205), destinés à coopérer avec le chemin de roulement principal (16), pour déplacer le châssis principal (202) selon la direction principale, - une trémie de transport (201), supportée par le châssis principal (202), apte à être alimentée en pâte carbonée, Le châssis principal (202) définit un chemin de roulement secondaire s'étendant selon une deuxième direction dite secondaire, perpendiculaire à la direction principale. Le dispositif (200) comprend un châssis secondaire (203) portant la trémie de transport (201) et muni de moyens de roulement (208, 209) pour déplacer le châssis secondaire (203) sur le chemin de roulement secondaire selon la direction secondaire.

IPC 8 full level

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CPC (source: CN EP RU)

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Citation (applicant)

US 3767351 A 19731023 - BLASER H

Citation (search report)

- [A] FR 2425923 A1 19791214 - CLAINCHE PROSPER LE [FR]
- [A] ES 2229861 A1 20050416 - PREPAN S L [ES]
- [A] EP 1762354 A2 20070314 - ELEMATIC OY AB [FI]
- [A] EP 1930142 A2 20080611 - SFH MASCHINEN UND ANLAGENSERVI [DE]

Cited by

CN109094102A; CN107283891A; CN105459431A; FR3041552A1; CN113146799A; CN116674214A; EP3213910A1; CN112895103A; CN115122458A; CN110053133A; WO2017051110A1

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