

Title (en)

Tile coating apparatus for flooring

Title (de)

Fliesen-Beschichtungsvorrichtung für Bodenbeläge

Title (fr)

Machine à enduire les dalles pour revêtement du sol

Publication

EP 1598502 A2 20051123 (EN)

Application

EP 05075022 A 20050107

Priority

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- EP 05075022 A 20050107

Abstract (en)

The invention provides in a compact and mobile apparatus for applying a coating of adhesive material (cementitious etc.) to the bonding surface of tiles, in particular flooring tiles, at a desired tile laying location, whereby the tile coating operation is carried out in a controlled and automatic manner. The apparatus has a self-supporting frame, preferably equipped with rollers for moving the same to a required flooring location, and assembled thereto it comprises the combination of an adhesive holding tank (1) housing a dispenser roll (2) arranged in the semi-cylindrical tank bottom, tile transfer means (F2) , tile stacking means (4) and driving incl. power connection means. According to a key feature of the invention the actuation of the adhesive roll applicator is established and controlled in selective synchronicity with the displacement of the tiles resp. movement of the tile transfer means. The tile transfer means and the dispenser roll are operatively connected in a suitable manner and may be driven by hydraulic or electro-mechanical means. The selective actuation thereof is advantageously controlled by contact switches or detector elements positioned at suitable locations along the tile displacement path extending from the tile stack magazine to underneath and past the dispenser roll until a tile discharge position at the end of the track. The tile transfer means may comprise a hydraulic piston unit or an endless belt with driven rollers.

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Cited by

WO2018104334A1; CN114082594A; CN108580196A; CN111456393A; CN111760747A; CN107700813A; CN113856987A; CN109891036A; CN114541695A; US10947743B2; WO2007060537A3

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