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(71) Applicant: **D'Hondt, Albert**
9790 Wortegem-Petegem (BE)

(72) Inventor: **D'Hondt, Albert**
9790 Wortegem-Petegem (BE)

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(54) **Tile coating apparatus for flooring**

(57) 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.

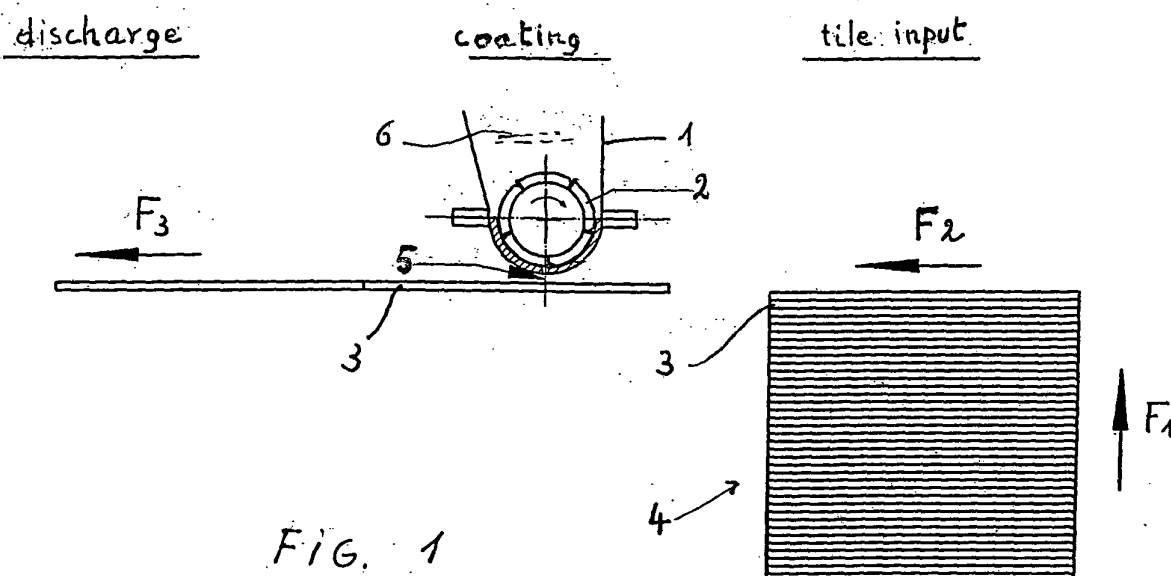


FIG. 1



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 05 07 5022

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			TECHNICAL FIELDS SEARCHED (IPC)
			E04F B05C E04G B28B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 24 April 2007	Examiner Ayiter, Johan
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

5
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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