Title (en)

Process for locally matting synthetic coatings, and products obtained.

Title (de)

Verfahren zur örtlichen Mattierung von synthetischen Beschichtungen und so erhaltene Produkte.

Title (fr)

Procédé de matification locale de revêtements synthétiques et produits obtenus.

Publication

EP 0123308 A1 19841031 (FR)

Application

EP 84104555 A 19840421

Priority

- LU 84765 A 19830425
- LU 84957 A 19830811

Abstract (en)

[origin: ES8503574A1] A process and product is presented for obtaining selective areas of distinctive appearance, i.e., matting on synthetic coverings. This process includes, depositing a polymer coating which contains at least one first initiator for polymerization onto at least a first selected area or zone on an expandable or nonexpandable support substrate. Next, at least one second coating comprised of a crosslinkable monomer containing at least one second polymerization initiator is deposited onto a second selected area on the substrate. This second area or zone may encompass at least a portion of the first area. The first and second initiators should be triggered by distinct "spectral zones", i.e., a range of temperature conditions, frequency conditions, etc. capable of decomposing the initiator to form free radicals or ions needed for chain propagation in a polymerization reaction. Thereafter, pre-gelling is performed on the deposited material followed by a graining operation which is carried out over at least a portion of the substrate surface. The synthetic covering in the first zone or area is then polymerized via the first initiator wherein the particular appearance thereof is fixed to the substrate. Thereafter, gelling is carried out wherein the polymer which has not been fixed by the first initiation polymerization will flow, i.e., fluidize such that the grained appearance in the second area or zone will disappear, i.e., smooth over. This gelling may also cause some expansion of the polymer on the substrate.

Abstract (fr)

Le procédé comporte le dépôt sur un support moussable ou non (2), dans une première zone (3), d'une enduction ou impression contenant au moins un premier initiateur de polymérisation et, dans une deuxième zone (5) qui peut éventuellement comprendre partiellement la première zone, d'une enduction à base de monomère réticulable contenant au moins un deuxième initiateur de polymérisation, au moins deux initiateurs étant différents et déclenchés soit par des effects différents soit par un même effet pour des zones spectrales différentes, une prégélification et au moins localement un grainage; une polymérisation de la première zone afin de fixer son aspect et une gélification qui, causant la fluidification du vernis, provoque la disparition de l'aspect grainé dans la zone non réticulée, et éventuellement une expansion et une réticulation thermique. Application à la réalisation de revêtements de murs et de sols.

IPC 1-7

D06N 7/00

IPC 8 full level

B44C 1/20 (2006.01); **D06N 7/00** (2006.01)

CPC (source: EP US)

B44C 1/205 (2013.01 - EP US); **D06N 7/0013** (2013.01 - EP US); **D06N 7/0023** (2013.01 - EP US); **D06N 7/0028** (2013.01 - EP US); Y10T 428/24355 (2015.01 - EP US)

Citation (search report)

- [AD] US 4273819 A 19810616 - SCHMIDLE CLAUDE J, et al
- [A] GB 1159645 A 19690730 - GAF CORP [US]
- [A] FR 2235796 A1 19750131 - MARLEY TILE AG [CH]
- [A] US 3310422 A 19670321 - PETRY ROBERT K
- [A] US 4068030 A 19780110 - WITMAN JACK H
- [A] FR 1538506 A 19680906 - ICI LTD
- [A] FR 1061259 A 19540412 - BLANCHIMENT ET APPRETS DE TARA

Designated contracting state (EPC)

AT CH DE GB LI LU NL SE

DOCDB simple family (publication)

EP 0123308 A1 19841031; **EP 0123308 B1 19870805**; CA 1251764 A 19890328; DE 3465208 D1 19870910; DK 168743 B1 19940530; DK 206884 A 19841026; DK 206884 D0 19840425; ES 532397 A0 19850316; ES 8503574 A1 19850316; FR 2544635 A1 19841026; FR 2544635 B1 19861003; GR 81939 B 19841212; IE 55251 B1 19900718; IE 840967 L 19841025; IT 1209533 B 19890830; IT 8420662 A0 19840420; NO 164646 B 19900723; NO 164646 C 19901031; NO 841604 L 19841026; PT 78481 A 19840501; PT 78481 B 19860522; US 4608294 A 19860826

DOCDB simple family (application)

EP 84104555 A 19840421; CA 452584 A 19840424; DE 3465208 T 19840421; DK 206884 A 19840425; ES 532397 A 19840425; FR 8406411 A 19840424; GR 840174484 A 19840424; IE 96784 A 19840418; IT 2066284 A 19840420; NO 841604 A 19840418; PT 7848184 A 19840424; US 60384384 A 19840425