

Title (en)
IMITATION STONES FOR DECORATING BUILDING STRUCTURES AND A METHOD FOR THE PRODUCTION THEREOF

Title (de)
NATURSTEIN-IMITATION FÜR VERZIERUNGSBAUTEN UND VERFAHREN ZU IHRERHERSTELLUNG

Title (fr)
IMITATION PIERRE POUR CONSTRUCTIONS ORNEMENTALES ET SON PROCEDE DE FABRICATION

Publication
EP 1028857 A1 20000823 (DE)

Application
EP 98904454 A 19980225

Priority
• RO 9800004 W 19980225
• RO 9702040 A 19971103

Abstract (en)
[origin: WO9922947A1] The invention relates to an imitation stone for decorating building structures which is comprised of three layers. One layer is discontinuous of the surface having different colorings and a thickness of 0-5 mm. A second layer is a continuous intermediate layer having only one color and a thickness of 2-5 mm. A third layer is a base and resistance inner layer having a thickness of 3-10 mm. The shape and coloring of the stone imitates those of natural stone. The first two layers have 28-48 wt. % polyester resin with reinforcers, or polyvinyl chloride or polystyrene optionally with the addition of cross-linking agents, 50-70 wt. % quartz powder and 2-10 wt. % pigments. The inner layer has 100 wt. % polyurethane foam with reinforcers or 20-35 wt. % fiber glass and 65-80 wt. % polyester resin with reinforcers. The imitation stone is produced in a rigid or flexible structure in which the mixture for the surface layer, the intermediate layer, and the base layer is successively applied by spraying or with a brush. The layers cure and combine with one another. The product is manually pulled out of the interior of the structure and the entire external surface is sandblasted. An additional method is comprised of applying a continuous layer of the curing base mixture on the inner surface of the structure. The mixture is manually pulled out and a continuous layer of the mixture having only one color is applied on the entire external surface of the layer. The mixture hardens and discontinuous mixtures for the surface layer having different colorings are applied over said continuous layer. The mixture hardens and the entire external surface is sandblasted.

IPC 1-7
B44F 9/04; B44C 5/06

IPC 8 full level
B05D 5/06 (2006.01); **B32B 27/40** (2006.01); **B44C 3/04** (2006.01); **B44C 5/04** (2006.01); **B44F 9/04** (2006.01); **E04F 13/14** (2006.01)

CPC (source: EP)
B05D 5/061 (2013.01); **B44C 3/042** (2013.01); **B44C 5/0423** (2013.01); **B44F 9/04** (2013.01); **E04F 13/147** (2013.01)

Citation (search report)
See references of WO 9922947A1

Cited by
DE102006027053A1; CN105835606A

Designated contracting state (EPC)
AT BE DE ES FR IT

DOCDB simple family (publication)
WO 9922947 A1 19990514; AT E216655 T1 20020515; DE 59803937 D1 20020529; EP 1028857 A1 20000823; EP 1028857 B1 20020424; ES 2175667 T3 20021116; PL 340289 A1 20010129; RO 113830 B1 19981130; SK 189299 A3 20000912

DOCDB simple family (application)
RO 9800004 W 19980225; AT 98904454 T 19980225; DE 59803937 T 19980225; EP 98904454 A 19980225; ES 98904454 T 19980225; PL 34028998 A 19980225; RO 9702040 A 19971103; SK 189299 A 19980225