

Title (en)
METHOD OF APPLYING A MORTAR MATERIAL TO A SURFACE

Publication
EP 0378437 A3 19910116 (EN)

Application
EP 90300376 A 19900112

Priority
GB 8900736 A 19890113

Abstract (en)
[origin: EP0378437A2] Simulated stone products are prepared by spraying a mortar material, in a blast of compressed air, into a mould by means of a gun 10, 14, 16, to which the mortar material is fed via a lateral inlet 12 by a peristaltic pump. Compressed air is supplied to an axially extending pipe 18 within the body 10 of the gun, the pipe 18 terminating, within the body 10, just short of a nozzle 16 from which the mortar spray is ejected. The mortar is effectively "atomised" in the spray, so that individual aggregate particles, such as sand grains, coated with cement, are hurled at high speed, in the spray, against the mould surface or against the previously deposited particle to form a densely packed aggregate layer which, in curing, de-moulding and surface etching or abrasion, closely simulates the appearance of natural stone. The apparatus and method disclosed allow, inter alia, products which are relatively thin and light, and are yet strong, to be produced economically.

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B28B 1/32 (2013.01); **B28B 11/0818** (2013.01); **E04F 21/12** (2013.01)

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