

Title (en)
Insulated exterior cladding for the walls of buildings.

Title (de)
Isolierte Aussenbekleidung für Gebäudewände.

Title (fr)
Revêtement extérieur isolant pour murs de bâtiments.

Publication
EP 0019892 A1 19801210 (DE)

Application
EP 80102916 A 19800524

Priority
CH 522879 A 19790605

Abstract (en)
[origin: ES8103245A1] The insulated outer coating of walls of building structures includes a cured foamed insulation material applied in a flowable state and an outer plaster means. Metal plates forming the moulding form for the injected foamed insulation material are connected by means of threaded bolts with the wall of the building structure, whereby a space is defined between the outer surface of said wall and the inner surface of each metal plate. A flowable insulation material containing urea-formaldehyde is injected into this space and cured therein. Each metal plate comprises protrusions and perforations. The perforations extend through the protrusions as well as through the metal plate. The plaster material applied on the outer face of the metal plates penetrates in its flowable state the penetrations and when cured is anchored by means of the protrusions and the penetrations. This arrangement allows the application of a not adhering or not sticking, respectively, insulation material, whereby the plaster is not carried by the insulation material but rather by the building wall itself. Conclusively, the insulation material is not subject to any forces stemming from the gravity of the plaster.

Abstract (de)
Eine Metallplatte (2) ist mit der Gebäudewand (1) unter Belassung eines Zwischenraumes verschraubt, in welchem Zwischenraum ein Urea-Formaldehyd-Schaumstoff (11) angeordnet ist. Die Metallplatte (2) weist Vorsprünge (8) mit Löchern (9) auf. Der auf der Metallplatte (2) aufgetragene Verputz (10) ist durch die Vorsprünge (8) und Löcher (9) mit der Metallplatte (2) verankert. Die isolierte Außenbekleidung für Gebäudewände ermöglicht das Anbringen eines nicht haftenden Isolierstoffes an eine Gebäudewand, wobei der Verputz nicht von Isolierstoff, sondern von der Gebäudemauer getragen ist, derart, daß der Isolierstoff keinen vom Gewicht des Verputzes berührenden Kräften ausgesetzt ist.

IPC 1-7
E04F 13/02; **E04B 1/62**; **E04B 1/74**; **E04B 2/00**; **E04F 13/04**

IPC 8 full level
E04B 1/62 (2006.01); **E04B 1/74** (2006.01); **E04B 1/76** (2006.01); **E04B 2/00** (2006.01); **E04F 13/02** (2006.01); **E04F 13/04** (2006.01)

CPC (source: EP US)
E04B 1/74 (2013.01 - EP US); **E04F 13/04** (2013.01 - EP US)

Citation (search report)
• FR 2392186 A1 19781222 - SITHENI [FR]
• DE 2821976 A1 19781130 - S I T H E N I
• CH 7746 A 18940615 - DAALEN HERMANUS BERNARDUS VAN [DE], et al
• DE 2642388 A1 19780323 - ASSET BUILDING COMPONENTS LTD

Cited by
DE3601689A1; US4711061A; DE3806967A1; EP0059466A1; WO2017126951A2; EP2733272A1

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DOCDB simple family (application)
EP 80102916 A 19800524; AT 80102916 T 19800524; CA 353409 A 19800605; CH 522879 A 19790605; DE 3063078 T 19800524; ES 492187 A 19800604; JP 7444980 A 19800604; US 15501180 A 19800530