

Title (en)
Method for manufacturing an insulated cavity wall comprising two concrete layers and connectors, including a step of ultrasonic vibration, as well as the corresponding installation and connectors

Title (de)
Verfahren zur Herstellung einer gedämmten Hohlwand, die zwei Betonlagen und Verbinder umfasst, mit einer Ultraschallvibrationsphase, sowie die entsprechende Installation und die entsprechenden Verbinder

Title (fr)
Procédé de fabrication d'un mur isolé à coffrage intégré comprenant deux peaux béton et des connecteurs, incluant une étape de vibration ultrasonique, ainsi que l'installation correspondante et les connecteurs correspondants

Publication
EP 2169135 A3 20100929 (FR)

Application
EP 09171001 A 20090922

Priority
FR 0805335 A 20080929

Abstract (en)
[origin: EP2169135A2] The method involves pouring color concrete (10) to form a concrete layer, and fixing an end of a connector (4) in the concrete layer, where the connector is made of synthetic resin reinforced with glass fiber. The ultrasonic wave is transmitted to the concrete through the connector to provoke vibration of the concrete near the end. The layer is dried. Self-compacting gray concrete (11) is poured to form another concrete layer. The former layer is reversed for orienting the connector towards bottom. Another end of the connector is fixed in the latter layer. The latter layer is dried. An independent claim is also included for an installation for manufacturing an integrated shuttering wall.

IPC 8 full level
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CPC (source: EP)
B28B 1/08 (2013.01); **B28B 23/0062** (2013.01); **B28B 23/028** (2013.01); **E04B 2/8617** (2013.01); **E04C 2/044** (2013.01); **E04C 2002/045** (2013.01)

Citation (search report)

- [YA] EP 1760208 A2 20070307 - SCHOECK BAUTEILE GMBH [DE]
- [Y] DE 1936078 A1 19710128 - KARNER KARL
- [A] WO 9318912 A1 19930930 - HACKMAN LLOYD E [US], et al

Cited by
CN110014498A; CN110014497A; EP2913458A1; US11248383B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2169135 A2 20100331; **EP 2169135 A3 20100929**; **EP 2169135 B1 20111123**; AT E534778 T1 20111215; FR 2936538 A1 20100402; FR 2936538 B1 20101008

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