

Title (en)

IMPROVED CERAMIC SLAB FOR FACINGS, AND METHOD FOR ITS MANUFACTURE

Title (de)

VERBESSERTE KERAMIKPLATTE FÜR VERKLEIDUNGEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

DALLE DE CERAMIQUE AMELIOREE POUR PAREMENTS, ET PROCEDE DE FABRICATION DE CELLE-CI

Publication

EP 1866261 A1 20071219 (EN)

Application

EP 05807609 A 20051116

Priority

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Abstract (en)

[origin: WO2006099894A1] An improved ceramic slab (1) and a method for its manufacture. The slab (1) comprises a continuous ceramic matrix (2) internally incorporating reinforcement fiber (3) having resistance characteristics superior to those of the ceramic matrix itself. The method comprises the following steps: creating, on a support surface (11), a first layer of ceramic powder (5); distributing an assembly of reinforcement fibers (3) over at least an area of the top surface (50) of said first layer (5) of ceramic powder; covering the reinforcement fibers, to create at least a second layer (6) of ceramic powder on said first layer (5), in order to obtain a soft ceramic blank of desired thickness containing the reinforcement fibers; pressing said soft blank to compact the powders and obtain an unfired ceramic slab; subjecting said unfired ceramic slab to firing, to obtain a ceramic slab (1) comprising a continuous ceramic matrix (2) with the reinforcement fibers (3) incorporated.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2006099894A1

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