

Title (en)

Isostatic die for pressing ceramic tiles and method for manufacturing the tiles

Title (de)

Form zum isostatischen Pressen von Keramikfliesen und Verfahren zum Herstelllen der Fliesen

Title (fr)

Matrice pour le pressage isostatique de carreaux en céramique et procédé de fabrication des carreaux

Publication

EP 0701889 A3 19960710 (EN)

Application

EP 95202233 A 19950818

Priority

- IT MO940127 A 19940913
- IT MO940141 A 19941011
- IT MO940175 A 19941228

Abstract (en)

[origin: EP0701889A2] The isobaric die for pressing ceramic tiles comprises a semi-die (1) having a plate (6;39;42;48,48a) delimiting a cavity (7) of the semi-die (1) in which is contained an incompressible fluid (F) and anchored to the said semi-die (1) by means of an elastic component (2;68) sealing the incompressible fluid inside the said cavity, the said plate (6;39;42;48,48a) being free to perform limited displacements closer to, and further from, the bottom of the cavity (7), the plate (6;39;48,48a) being provided with openings (22a;40;43) passing through it. This affords the particular advantage of obtaining uniform pressing whilst maintaining a substantially homogeneous thickness of the tile, due to the discontinuities in the plate (6;39;48;48a) acting in a differentiated manner on the various areas of the surface of the membrane (2;68) in function of the loads transmitted locally by the powders during pressing. <IMAGE>

IPC 1-7

B28B 3/02

IPC 8 full level

B28B 3/00 (2006.01); **B28B 3/02** (2006.01); **B30B 5/02** (2006.01); **B30B 11/00** (2006.01); **B30B 15/02** (2006.01)

IPC 8 main group level

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CPC (source: EP)

B28B 3/003 (2013.01); **B30B 5/02** (2013.01); **B30B 11/001** (2013.01); **B30B 15/024** (2013.01)

Citation (search report)

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- [AP] EP 0659527 A1 19950628 - MASS SPA [IT]
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