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(54) Title: PROCESS FOR MANUFACTURING SOUND ABSORBING CEMENT TILE

(57) Abstract: A continuous process for manufacturing a sound absorbing tile made from a slurry including, quick setting cement, water, fibers and foaming agent, the process including the steps of (I) mixing cementitious material, water, foaming agent but without incorporation of prefabricated foam with fibers into a slurry; subsequently; (II) injecting and distributing air into the slurry of step (I) to form a cellular slurry; subsequently; (III) forming tiles or precursor products of tiles from the cellular slurry; and finally; (IV) allowing the cellular slurry to set into the desired tile or a precursor thereof. The preparation of the aerated slurry is carried out in two separate chambers, whereas chamber 1 is a mixer operated at high shear rate for homogenization and chamber 2 is a blender operated at low shear rate for stabilization and distribution of porosity. Inbetween the two devices, air is injected to the slurry.

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INTERNATIONAL SEARCH REPORT

International application No

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A. CLASSIFICATION OF SUBJECT MATTER

INV. C04B28/02 C04B38/10 C04B28/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	the whole document -----	1,19,23
X	US 1 660 402 A (THOMSON GEORGE MILLER) 28 February 1928 (1928-02-28)	1
Y	page 1, line 80 - page 2, line 38 -----	1,19,23
X	US 1 687 067 A (HINTON GEORGE BOOLE) 9 October 1928 (1928-10-09)	1
Y	cited in the application page 1, line 13 - line 19 -----	1,19,23
X,P	EP 1 568 671 A (LAFARGE PLATRES) 31 August 2005 (2005-08-31) the whole document -----	1-28
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Further documents are listed in the continuation of Box C.



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International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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