

Title (en)
COMPRESSED CONCRETE BLOCK WITH LOW MASS PER UNIT AREA COMPRISING A RAW CLAY MATRIX AND ASSOCIATED METHODS

Title (de)
PRESSBETONBLOCK MIT GERINGER MASSE PRO EINHEITSBEREICH MIT EINER ROHTONMATRIX UND ZUGEHÖRIGE VERFAHREN

Title (fr)
BLOC DE BETON COMPRESSE A FAIBLE MASSE SURFACIQUE COMPORTANT UNE MATRICE ARGILEUSE CRUE ET METHODES ASSOCIEES

Publication
EP 4373794 A1 20240529 (FR)

Application
EP 22754387 A 20220721

Priority
• FR 2107891 A 20210721
• EP 2022070571 W 20220721

Abstract (en)
[origin: CA3224273A1] The invention relates to a compressed concrete block comprising a raw clay matrix, a calcined metal oxide composition and aggregates, said compressed concrete block having a mass per unit area of less than or equal to 600 kg/m². The invention also relates to a method for preparing (100) a compressed concrete block having a mass per unit area of less than or equal to 600 kg/m², said method comprising the following steps: - mixing (110) a raw clay matrix, a calcined metal oxide composition, aggregates and water; - placing (120) the resulting mixture in moulds; - applying (140) pressure to one surface of the moulded mixture, preferably the top surface; and - removing (160) the compressed concrete blocks from the moulds to obtain a compressed concrete block having a mass per unit area of less than or equal to 600 kg/m².

IPC 8 full level
C04B 28/00 (2006.01); **C04B 28/02** (2006.01); **C04B 28/08** (2006.01); **C04B 28/26** (2006.01); **C04B 33/04** (2006.01); **C04B 38/00** (2006.01)

CPC (source: EP)
C04B 28/001 (2013.01); **C04B 28/008** (2013.01); **C04B 28/021** (2013.01); **C04B 28/08** (2013.01); **C04B 28/26** (2013.01); **C04B 2111/00129** (2013.01); **C04B 2111/1037** (2013.01)

C-Set (source: EP)
1. **C04B 28/001 + C04B 12/04 + C04B 14/06 + C04B 14/106 + C04B 18/06 + C04B 18/08 + C04B 18/101 + C04B 18/14 + C04B 18/146 + C04B 18/24 + C04B 18/26 + C04B 22/0093 + C04B 22/062 + C04B 38/0074 + C04B 40/0067 + C04B 40/0259 + C04B 2103/402**
2. **C04B 28/001 + C04B 12/04 + C04B 14/06 + C04B 14/106 + C04B 18/06 + C04B 18/08 + C04B 18/101 + C04B 18/14 + C04B 18/146 + C04B 18/24 + C04B 18/26 + C04B 22/0093 + C04B 22/062 + C04B 24/003 + C04B 24/04 + C04B 24/08 + C04B 24/12 + C04B 24/16 + C04B 24/383 + C04B 38/0074 + C04B 40/0067 + C04B 40/0259**
3. **C04B 28/008 + C04B 12/04 + C04B 14/042 + C04B 14/06 + C04B 14/10 + C04B 14/106 + C04B 14/202 + C04B 18/06 + C04B 18/08 + C04B 18/101 + C04B 18/14 + C04B 18/146 + C04B 18/24 + C04B 18/26 + C04B 22/0093 + C04B 22/062 + C04B 38/0074 + C04B 40/0067 + C04B 40/0259 + C04B 2103/402**
4. **C04B 28/26 + C04B 14/042 + C04B 14/06 + C04B 14/10 + C04B 14/106 + C04B 14/202 + C04B 18/06 + C04B 18/08 + C04B 18/101 + C04B 18/14 + C04B 18/146 + C04B 18/24 + C04B 18/26 + C04B 22/0093 + C04B 22/062 + C04B 38/0074 + C04B 40/0067 + C04B 40/0259 + C04B 2103/402**
5. **C04B 28/001 + C04B 12/04 + C04B 14/06 + C04B 14/106 + C04B 14/361 + C04B 18/06 + C04B 18/08 + C04B 18/101 + C04B 18/14 + C04B 18/146 + C04B 18/24 + C04B 18/26 + C04B 22/0093 + C04B 22/062 + C04B 24/003 + C04B 24/04 + C04B 24/08 + C04B 24/12 + C04B 24/16 + C04B 24/383 + C04B 38/0074 + C04B 40/0067 + C04B 40/0259**
6. **C04B 28/26 + C04B 14/106 + C04B 14/202 + C04B 14/361 + C04B 18/06 + C04B 18/08 + C04B 18/101 + C04B 18/14 + C04B 18/146 + C04B 18/24 + C04B 18/26 + C04B 22/0093 + C04B 22/062 + C04B 38/0074 + C04B 40/0067 + C04B 40/0259 + C04B 2103/402**
7. **C04B 28/008 + C04B 12/04 + C04B 14/106 + C04B 14/202 + C04B 14/361 + C04B 18/06 + C04B 18/08 + C04B 18/101 + C04B 18/14 + C04B 18/146 + C04B 18/24 + C04B 18/26 + C04B 22/0093 + C04B 22/062 + C04B 38/0074 + C04B 40/0067 + C04B 40/0259 + C04B 2103/402**
8. **C04B 28/08 + C04B 12/04 + C04B 14/06 + C04B 14/106 + C04B 14/361 + C04B 18/06 + C04B 18/08 + C04B 18/101 + C04B 18/14 + C04B 18/146 + C04B 18/24 + C04B 18/26 + C04B 22/0093 + C04B 22/062 + C04B 24/003 + C04B 24/04 + C04B 24/08 + C04B 24/12 + C04B 24/16 + C04B 24/383 + C04B 38/0074 + C04B 40/0067 + C04B 40/0259**
9. **C04B 28/021 + C04B 12/04 + C04B 14/06 + C04B 14/106 + C04B 14/361 + C04B 18/06 + C04B 18/08 + C04B 18/101 + C04B 18/14 + C04B 18/146 + C04B 18/24 + C04B 18/26 + C04B 22/0093 + C04B 22/062 + C04B 24/003 + C04B 24/04 + C04B 24/08 + C04B 24/12 + C04B 24/16 + C04B 24/383 + C04B 38/0074 + C04B 40/0067 + C04B 40/0259**

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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DOCDB simple family (application)
FR 2107891 A 20210721; CA 3224273 A 20220721; EP 2022070571 W 20220721; EP 22754387 A 20220721