

Title (en)

FLEXIBLE BRICK PLATE AND BUILDING METHOD USING SAID CURVED ROOFING PANELS

Title (de)

FLEXIBLE ZIEGELBAHN UND VERFAHREN ZUR ERRICHTUNG VON GEWÖLBEN MITTELS DIESER BAHN

Title (fr)

PANNEAU FLEXIBLE DE TUILES ET PROCEDE DE CONSTRUCTION DE COUVERTURES EN FORME DE VOUTE FAISANT APPEL A CE PANNEAU

Publication

**EP 1213396 B1 20030827 (EN)**

Application

**EP 99922189 A 19990524**

Priority

ES 9900150 W 19990524

Abstract (en)

[origin: EP1213396A1] The plate (1) comprises a support (2) having holes (2a), a plurality of bricks (3) forming a mesh, spacers (4), reinforcement and fixing means (5) affixed to the opposite borders (2b) of the support (2) and reinforced bars (6) in the spacers (4) connected to the support (2) and affixed by their ends (6a) to said elements (5). The plate (1) is suspended by said elements (5) allowing it to adopt an inverted catenary arch shape. The span and the rise are fixed by joining both elements (5) using rigid bars (10). The plate is then inverted (1) while maintaining the rigid bars (10). The plate is then placed in its final location and covered with concrete or mortar. Once the concrete or mortar has set, the bars (10) are removed thereby obtaining said arched roofing. <IMAGE>

IPC 1-7

**E04B 1/32**

IPC 8 full level

**E04B 1/32** (2006.01); **E04B 7/08** (2006.01)

CPC (source: EP)

**E04B 1/3205** (2013.01); **E04B 7/08** (2013.01); **E04B 2001/3217** (2013.01); **E04B 2001/3264** (2013.01)

Cited by

EP2154302A4; JP2022519434A; US7204058B2; WO2004044332A1

Designated contracting state (EPC)

BE DE ES FR GB IT PT

DOCDB simple family (publication)

**EP 1213396 A1 20020612**; **EP 1213396 A8 20020731**; **EP 1213396 B1 20030827**; DE 69910846 D1 20031002; DE 69910846 T2 20040609; ES 2207216 T3 20040516; WO 0071823 A1 20001130

DOCDB simple family (application)

**EP 99922189 A 19990524**; DE 69910846 T 19990524; ES 9900150 W 19990524; ES 99922189 T 19990524