

Title (en)

A method of reducing the width of cracks in masonry

Title (de)

Verfahren zur Verringerung der Rissbreite in Mauern

Title (fr)

Procédé pour réduire la largeur de fissures en maçonnerie

Publication

**EP 2537992 A1 20121226 (EN)**

Application

**EP 11170780 A 20110621**

Priority

EP 11170780 A 20110621

Abstract (en)

The invention relates to a method to reduce the width of cracks that may be induced in masonry. The method comprises the step of reinforcing at least one joint with reinforcement strips. The reinforcement strips comprise at least two straight, substantially parallel reinforcement wires connected to each other by means of a wire connecting structure. The reinforcement wires have a design yield strength  $f_{yd}$  equal or higher than  $550^{3/4}$  s N/mm<sup>2</sup> and an equivalent diameter  $d$  equal or lower than 4 mm. The reinforcement strips have a resistance  $F$  against loads applied on said reinforcement strip. The resistance  $F$  has a design value of resistance  $F_d$ . The reinforcement strip embedded in said joint has a bond capacity  $F_{bok}$ . The bond capacity  $F_{bok}$  has a design bond capacity  $F_{bod}$ . The design yield strength  $f_{yd}$  and the diameter  $d$  of said reinforcement wires are chosen in such a way that the design value  $F_d$  of the reinforcement strip is equal or lower than said design bond capacity  $F_{bod}$  of the reinforcement strip. The reinforcement wires are provided with ribs. The invention furthermore relates to reinforcement strips and to masonry reinforced with such reinforcement strips.

IPC 8 full level

**E04B 2/02** (2006.01)

CPC (source: EP US)

**E04B 2/02** (2013.01 - EP US); **E04B 2002/0282** (2013.01 - EP US)

Citation (applicant)

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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

DOCDB simple family (publication)

**EP 2537992 A1 20121226**; BE 1020633 A5 20140204; GB 201210957 D0 20120801; GB 2492226 A 20121226; IT RM20120277 A1 20121222; NL 2009032 A 20121228; NL 2009032 C2 20130925; US 2013014462 A1 20130117

DOCDB simple family (application)

**EP 11170780 A 20110621**; BE 201200402 A 20120615; GB 201210957 A 20120621; IT RM20120277 A 20120614; NL 2009032 A 20120619; US 201213525974 A 20120618