

Title (en)

Adjustable system for embedded union of prefabricated concrete elements for building structures, and method for performing the union of prefabricated concrete elements

Title (de)

Einstellbares System für eine eingebettete Zusammenfügung von vorgefertigten Betonelementen für Gebäudestrukturen, und Verfahren zur Durchführung der Zusammenfügung von vorgefertigten Betonelementen

Title (fr)

Système ajustable pour raccord à bétonner d'éléments en béton préfabriqué pour structures de bâtiments et procédé pour réaliser l'assemblage d'éléments en béton préfabriqué

Publication

EP 2559817 A3 20130703 (EN)

Application

EP 12180416 A 20120814

Priority

ES 201131391 A 20110816

Abstract (en)

[origin: EP2559817A2] The present invention relates to an adjustable embedded joint system of prefabricated concrete elements for building structures and to a process to carry out said joint, wherein the adjustable joint system comprises at least two prefabricated reinforced concrete blocks, an upper prefabricated block and a lower prefabricated block that join vertically by means of a bushing that joins a steel reinforcing bar of the upper prefabricated block with a steel reinforcing bar of the lower prefabricated block connecting the two adjacent reinforced concrete blocks vertically, wherein the bushing comprises an upper surface that is in contact with the upper prefabricated block, wherein said bushing confers high rigidity to the whole upper prefabricated block and lower prefabricated block before carrying out the concreting of the joint area.

IPC 8 full level

E04B 1/41 (2006.01); **E04B 1/04** (2006.01)

CPC (source: EP ES)

E04B 1/043 (2013.01 - EP ES); **E04B 1/21** (2013.01 - ES); **E04B 1/4157** (2013.01 - EP); **E04C 5/165** (2013.01 - ES); **E04B 5/023** (2013.01 - EP); **E04C 5/163** (2013.01 - EP)

Citation (search report)

- [X] DE 2732183 A1 19790118 - DOBLIN ROBERT DIPL-ING [DE]
- [X] EP 1857602 A2 20071121 - KRUMMEL GERHARD [DE], et al
- [A] JP H03212537 A 19910918 - KAJIMA CORP

Cited by

CN113216510A; CN110159016A; CN104264909A; CN106638981A; CN109339347A; CN109339348A; CN109441017A; CN110284649A; CN108222376A; CN113089828A; CN103669714A; CN103882991A; CN109667391A; CN113338478A; JP2019119990A; JP2017190629A

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 2559817 A2 20130220; EP 2559817 A3 20130703; ES 2398284 A1 20130315; ES 2398284 B1 20140121

DOCDB simple family (application)

EP 12180416 A 20120814; ES 201131391 A 20110816