

Title (en)

A joint for reinforced concrete pile sections

Title (de)

Verbindung für Abschnitte eines Pfahles aus bewährtem Beton

Title (fr)

Une connection pour sections de pieu en béton armé

Publication

EP 1288382 A2 20030305 (EN)

Application

EP 02396128 A 20020826

Priority

FI 20011721 A 20010828

Abstract (en)

A joint for joining reinforced concrete pillars (10a, 10b) together, wherein a first connecting element (20a) comprises a cylindrical projecting part (30) provided with an annular groove (31) and a second connecting element (20b) consists of a cavity (40, 63) provided with an annular groove (41, 65). An annular spring (50) interlocks the grooves (31, 41, 65). The groove of the joining element of at least one of the objects to be joined is provided with a wedge-like part (34, 44) on which the spring-like locking element (50) is wedged, forming a joint free of backlash. <IMAGE>

IPC 1-7

E02D 5/52; **E04B 1/21**; **F16B 21/18**; **F16L 37/088**

IPC 8 full level

E02D 5/52 (2006.01); **E04B 1/21** (2006.01)

CPC (source: EP FI)

E02D 5/52 (2013.01 - EP FI); **E04B 1/21** (2013.01 - FI); **E04B 1/215** (2013.01 - EP)

Cited by

CN100348803C; CN106337858A; CN105114425A; CN103882863A; CN104989716A; CN112554181A; CN112124203A; GB2463946A; CN103386709A; CN104989715A; CN107882023A; CN112695746A; CN108506591A; CN111101508A; US2009263189A9; US9339944B2; WO2016054187A1; US10738463B2; US11162256B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1288382 A2 20030305; **EP 1288382 A3 20040114**; **EP 1288382 B1 20060719**; AT E333539 T1 20060815; DE 60213168 D1 20060831; FI 116474 B 20051130; FI 20011721 A0 20010828; FI 20011721 A 20030301

DOCDB simple family (application)

EP 02396128 A 20020826; AT 02396128 T 20020826; DE 60213168 T 20020826; FI 20011721 A 20010828