

Title (en)

Spacing tube for the insertion of tensioning rods

Title (de)

Distanzrohr zum Führen von Spannstäben

Title (fr)

Tube d'écartement pour le guidage de barres de tension

Publication

**EP 1544380 A3 20080227 (DE)**

Application

**EP 04405748 A 20041202**

Priority

CH 21452003 A 20031216

Abstract (en)

[origin: EP1544380A2] The spacer tube (1) for the guiding of stressing bars during the erection of large area shuttering for concrete constructions comprises a generally cylindrical guide tube (3) with end pieces (5) installed on its two ends. The connections between the end pieces and ends of the guide tube are constructed as a predetermined breaking points (13) which during shuttering, stripping or after stripping of the construction are broken from the ends of the guide tube. The predetermined breaking points break following tension or pressure on the end pieces and/or through tension on the end pieces and/or by rotation of the end pieces.

IPC 8 full level

**E04G 17/06** (2006.01); **E04G 17/02** (2006.01); **E04G 17/04** (2006.01)

CPC (source: EP)

**E04G 17/06** (2013.01)

Citation (search report)

- [X] DE 9316924 U1 19940113 - REUS GMBH & CO KG [DE]
- [A] CH 444454 A 19670930 - STRENG ALFRED [CH]
- [A] DE 3840757 C1 19900104
- [A] DE 4337523 A1 19940519 - OURANOS EMMANUEL [DE]
- [X] JP S58117154 A 19830712 - KAJIMA CORP
- [DA] DE 9314656 U1 19940127 - ALBANESE GIULIO [CH]

Cited by

CN110439285A; ITUB20160199A1; EP2674549A3; EP3553253A1; WO2017122082A1; US10837171B2

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1544380 A2 20050622**; **EP 1544380 A3 20080227**; **EP 1544380 B1 20131113**; EP 1550781 A2 20050706; EP 1550781 A3 20080227

DOCDB simple family (application)

**EP 04405748 A 20041202**; EP 05003614 A 20041202