

Title (en)

Method and arrangement for tying two crossing bars.

Title (de)

Verfahren und Vorrichtung zum Verbinden zweier sich kreuzender Stäbe.

Title (fr)

Procédé et dispositif de ligature de deux barres croisées.

Publication

**EP 0388350 B1 19940622 (DE)**

Application

**EP 90710006 A 19900315**

Priority

DE 3908877 A 19890317

Abstract (en)

[origin: EP0388350A1] A method for tying two crossing bars (1) and (2) in a crossing region (3) and an arrangement for carrying out the method are described. Essentially, a pincer-like tool (14), the pincer arms (23, 24) of which perform a plurality of opening and closing movements, is provided. A thrust head (30), which in its interior accommodates a gripper (81) which produces a twisted connection (84) of a wire (63) around the crossing region, is provided, the twisting movement being effected in the region of the thrust head when the pincer arms are closed and stationary. <IMAGE>

IPC 1-7

**E04G 21/12**

IPC 8 full level

**E04G 21/12** (2006.01)

CPC (source: EP)

**E04G 21/122** (2013.01); **E04G 21/123** (2013.01); **C10M 2201/062** (2013.01); **C10M 2201/102** (2013.01); **C10M 2201/103** (2013.01); **C10M 2201/14** (2013.01); **C10M 2207/022** (2013.01); **C10M 2207/289** (2013.01); **C10M 2207/40** (2013.01); **C10M 2207/404** (2013.01); **C10M 2209/104** (2013.01); **C10M 2209/105** (2013.01); **C10M 2223/10** (2013.01); **C10N 2010/04** (2013.01); **C10N 2040/00** (2013.01); **C10N 2040/30** (2013.01); **C10N 2040/32** (2013.01); **C10N 2040/34** (2013.01); **C10N 2040/36** (2013.01); **C10N 2040/38** (2020.05); **C10N 2040/40** (2020.05); **C10N 2040/42** (2020.05); **C10N 2040/44** (2020.05); **C10N 2040/50** (2020.05)

Cited by

CN112761359A; CN103046752A; EP0731238A1; US5694983A; WO9529021A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0388350 A1 19900919**; **EP 0388350 B1 19940622**; AT E107729 T1 19940715; DE 59006171 D1 19940728; ES 2058865 T3 19941101

DOCDB simple family (application)

**EP 90710006 A 19900315**; AT 90710006 T 19900315; DE 59006171 T 19900315; ES 90710006 T 19900315