

Title (en)
Improvements in or relating to formwork ties.

Title (de)
Schalungsspanner.

Title (fr)
Tirants pour coffrages.

Publication
EP 0052455 A1 19820526 (EN)

Application
EP 81305146 A 19811029

Priority
GB 8036539 A 19801113

Abstract (en)
A system is disclosed of making up formwork ties on site from standard components which are supplied. The components comprise length of stock rod, continuously threaded and provided with two diametrically opposed longitudinal slots (5) by means of which the rod may be lockingly engaged for manual rotation. A length of rod (4) threadedly engaged with a tapered member (1) forms a she bolt, the two parts being prevented from relative rotation by keys (6) inserted in the bores formed by the registering slots (5) and internal grooves (3) formed in the tapered member (1). A locknut (8) provided with a cavity (9) maintains the keys (6) in their bores. A connecting member (15) enables ties of any length to be made up from a number of shorter lengths of stock rod. The rod itself may serve other on site purposes such as reinforcement for concrete.

IPC 1-7
E04G 17/06; **E04G 17/08**; **F16B 39/06**

IPC 8 full level
E04G 17/06 (2006.01); **E04G 17/065** (2006.01); **F16B 39/06** (2006.01)

CPC (source: EP)
E04G 17/0658 (2013.01)

Citation (search report)

- US 4231541 A 19801104 - STRICKLAND JAMES K
- DE 1684169 A1 19691106 - BAUMANN ULRICH, et al
- DE 2439448 A1 19760304 - MEIER HANS GERT
- US 1551124 A 19250825 - ELMER SORRELL

Cited by
AU655231B2; CN100351531C; DE102014211483A1; US2017254072A1; US10487501B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)
EP 0052455 A1 19820526; **EP 0052455 B1 19850130**; AT E11585 T1 19850215; CA 1166866 A 19840508; DE 3168684 D1 19850314; JP S57137563 A 19820825

DOCDB simple family (application)
EP 81305146 A 19811029; AT 81305146 T 19811029; CA 389988 A 19811113; DE 3168684 T 19811029; JP 18217481 A 19811113