

Title (en)

SECURING ELEMENT FOR A SHANK TOOL

Title (de)

SICHERUNGSELEMENT FÜR EINEN SCHAFTMEißEL

Title (fr)

ÉLÉMENT DE SÉCURITÉ POUR UN OUTIL À QUEUE

Publication

**EP 2766573 A2 20140820 (DE)**

Application

**EP 12778274 A 20121011**

Priority

- DE 102011054386 A 20111011
- EP 2012070146 W 20121011

Abstract (en)

[origin: WO2013053813A2] The invention relates to a securing element for a shank tool, said element at least partially surrounding a mounting opening by means of an elastic clamping part. Securing elements of this type offer a secure clamping action and at the same time an excellent rotational mounting for the shank tool if fixing sections are directly or indirectly attached to the outer radius of the clamping part, said sections being interspaced in the circumferential direction.

IPC 8 full level

**E21C 35/197** (2006.01); **B28D 1/18** (2006.01)

CPC (source: EP)

**B28D 1/188** (2013.01); **E21C 35/197** (2013.01)

Citation (search report)

See references of WO 2013053813A2

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)

**DE 102011054386 A1 20130411**; EP 2766573 A2 20140820; WO 2013053813 A2 20130418; WO 2013053813 A3 20140403

DOCDB simple family (application)

**DE 102011054386 A 20111011**; EP 12778274 A 20121011; EP 2012070146 W 20121011