

Title (en)
SECURING ELEMENT

Title (de)
BEFESTIGUNGSELEMENT

Title (fr)
ÉLÉMENT DE FIXATION

Publication
EP 2948685 A1 20151202 (DE)

Application
EP 14701672 A 20140115

Priority
• DE 102013100647 A 20130123
• EP 2014000081 W 20140115

Abstract (en)
[origin: WO2014114432A1] The invention relates to a securing element (1) for securing a component to a securing base, having a shank (2) which has an external thread (6) and an expansion body (7), an expansion element (3) which is arranged in an axially movable manner on the shank (2) and which can be expanded by moving axially on the shank (2) by means of the expansion body (7), and a nut (4) which has an internal thread (15) and which is arranged on the external thread (6) of the shank (2). The application of a torque enables the nut (4) to be rotated on the external thread (6) such that the expansion element (3) is moved against the expansion body (7) by means of the nut (4). According to the invention, in order to simplify the mounting of the securing element (1), the internal thread (15) is designed such that the external thread (6) is released after expansion of the expansion element (3) such that the nut (4) can rotate substantially without axial movement on the shank (2).

IPC 8 full level
F16B 13/08 (2006.01); **E04F 13/08** (2006.01); **E06B 3/54** (2006.01); **F16B 31/02** (2006.01)

CPC (source: CN EP)
E04F 13/0835 (2013.01 - CN EP); **E04F 13/14** (2013.01 - CN EP); **F16B 13/0858** (2013.01 - CN EP); **F16B 31/021** (2013.01 - CN EP);
F16B 2013/007 (2013.01 - CN EP)

Citation (search report)
See references of WO 2014114432A1

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 102013100647 A1 20140724; CN 104919193 A 20150916; EP 2948685 A1 20151202; WO 2014114432 A1 20140731

DOCDB simple family (application)
DE 102013100647 A 20130123; CN 201480005869 A 20140115; EP 14701672 A 20140115; EP 2014000081 W 20140115