

Title (en)

Method and device for the manufacture of screw elements

Title (de)

Verfahren und Vorrichtung zum Herstellen von Bolzenelementen

Title (fr)

Procédé et dispositif pour la fabrication d'éléments de visserie

Publication

**EP 1186360 A3 20021218 (DE)**

Application

**EP 01117159 A 20010714**

Priority

DE 10039011 A 20000810

Abstract (en)

[origin: DE10039011A1] The bold element is produced starting from a measured-out cylindrical wire pin, the front sector of which is reduced in diameter by a rolling process. For a threaded bolt or screw, the reduction and thread-rolling can be done in a single process using a single roll jaw pair (1) with a reducing surface (6) by which the diameter reduction is accomplished.

IPC 1-7

**B21H 3/02**

IPC 8 full level

**B21H 3/02** (2006.01)

CPC (source: EP)

**B21H 3/027** (2013.01)

Citation (search report)

- [X] EP 0428317 A2 19910522 - SHINJO SEISAKUSHO YK [JP]
- [X] US 5242253 A 19930907 - FULMER JAMES G [US]
- [X] DD 33566 A
- [A] EP 0351111 A1 19900117 - AUSTIN ROVER GROUP [GB]
- [A] US 2314390 A 19430323 - DE VELLIER WILLIAM A
- [A] EP 0682187 A2 19951115 - BERGNER RICHARD GMBH CO [DE]
- [A] EP 0824198 A1 19980218 - ADOLF WUERTH GMBH & CO KG [DE]
- [X] DATABASE WPI Section PQ Week 199209, Derwent World Patents Index; Class P52, AN 1992-070942, XP002218017
- [A] DATABASE WPI Section PQ Week 199627, Derwent World Patents Index; Class P52, AN 1996-263007, XP002218018

Cited by

DE10254319B3; DE102011076180A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1186360 A2 20020313; EP 1186360 A3 20021218; EP 1186360 B1 20050316**; AT E290934 T1 20050415; DE 10039011 A1 20020221; DE 50105600 D1 20050421; DK 1186360 T3 20050725; ES 2239639 T3 20051001; PT 1186360 E 20050630

DOCDB simple family (application)

**EP 01117159 A 20010714**; AT 01117159 T 20010714; DE 10039011 A 20000810; DE 50105600 T 20010714; DK 01117159 T 20010714; ES 01117159 T 20010714; PT 01117159 T 20010714