

Title (en)

Method of manufacturing a clamping portion on a pin element for press fit mounting into a bore.

Title (de)

Verfahren zur Herstellung eines Klemmbereiches bei einem in einer Bohrung kraftschlüssig fixierbaren stiftförmigen Element.

Title (fr)

Procédé de fabrication d'une partie de serrage sur un élément en forme de tige susceptible d'être montée à force dans une ouverture.

Publication

EP 0023296 A1 19810204 (DE)

Application

EP 80103983 A 19800710

Priority

DE 2930560 A 19790727

Abstract (en)

1. A method of producing an at least partially elastically compressable clamping zone (17) which forms a section of a pin-shaped element and which serves for forcelocking the element in a bore, wherein the clamping zone is formed by dividing the element (1) into at least two arms (8) which are connected to one another at both ends and by increasing the distance between these two arms relative to one another, characterised in that the division of the element (1) into two arms (8) is effected by means of two wedges (2, 3) which can be moved in opposite directions to one another and which have cutting edges (4) which are aligned parallel to the longitudinal axis (5) of the element (1) and have wedge angles of about 30 degrees to 60 degrees, in such a way that the wedges (2, 3) are either simultaneously pressed into the element (1), in which case the cutting edges are slightly offset relative to one another, or that the wedges (2, 3) are pressed consecutively into the element (1), in which case the cutting edges (4) are in line with one another and the element (1) is correspondingly supported on the opposite side ; and that the arms (8) which give way outwardly when the wedges (2, 3) are pressed into the element (1), are checked transversely to the direction of movement of the wedges (2, 3) by means of abutments (9) which are adapted to the curvature of the bore.

Abstract (de)

Der zur Festlegung eines stiftförmigen Elementes (1) in einer Bohrung vorgesehene Klemmbereich wird durch Spaltung und gleichzeitige Aufweitung mittels zweier Keile (2,3) hergestellt, wobei die gegensinnig zueinander in das Element eindrückbaren Keile einen Keilwinkel von ca. 30 bis 60° aufweisen und die durch die Spaltung gebildeten Schenkel gegen schalenförmige Widerlager (q) drücken.

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H01R 43/00

IPC 8 full level

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CPC (source: EP)

H01R 43/16 (2013.01); **H01R 12/585** (2013.01)

Citation (search report)

- US 4057315 A 19771108 - MILLER NORMAN JAY, et al
- GB 1149332 A 19690423 - AMP INC [US]

Cited by

EP0301730A3; US4691979A; EP0313300A1; EP0325296A3; EP0148792A3; US7377823B2; WO2020229341A1; WO9202060A1

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