

Title (en)
ASSEMBLY PROCESS OF A COMPONENT WHICH DOES NOT HAVE A PLASTIC DOMAIN

Title (de)
MONTAGEVERFAHREN EINER KOMPONENTE OHNE KUNSTSTOFFBEREICH

Title (fr)
PROCÉDÉ D'ASSEMBLAGE D'UNE PIÈCE NE COMPORTANT PAS DE DOMAINE PLASTIQUE

Publication
EP 2656150 A2 20131030 (FR)

Application
EP 11787857 A 20111122

Priority
• EP 10196597 A 20101222
• EP 2011070693 W 20111122
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Abstract (en)
[origin: EP2469353A1] The assembly has a plasticless component including perforations (26) forming elastic deformation units distributed around a circular opening of the component. A metal or metal alloy based axially extending unit e.g. steel pivot pin (27), has a radially flared and elastically and plastically deformed part (24) that clamps a plasticless component's wall surrounding the opening, in a radial direction (B) by stressing the elastic deformation unit to join the component and the extending unit in a non-destructive manner. An independent claim is also included for a method for assembling a metal or metal alloy based unit in a silicon based component.

IPC 8 full level
B81C 3/00 (2006.01); **G04B 1/14** (2006.01); **G04B 13/02** (2006.01); **G04B 15/14** (2006.01); **G04B 17/32** (2006.01); **G04B 17/34** (2006.01); **G04D 1/00** (2006.01); **G04D 3/04** (2006.01)

CPC (source: EP US)
G04B 1/145 (2013.01 - US); **G04B 13/02** (2013.01 - US); **G04B 13/021** (2013.01 - EP US); **G04B 13/022** (2013.01 - EP US); **G04B 15/14** (2013.01 - EP US); **G04B 17/32** (2013.01 - US); **G04B 17/325** (2013.01 - EP US); **G04B 17/345** (2013.01 - EP US); **G04D 1/0042** (2013.01 - EP US); **G04D 3/04** (2013.01 - EP US); **Y10T 29/49581** (2015.01 - EP US)

Citation (search report)
See references of WO 2012084384A2

Designated contracting state (EPC)
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EP 10196597 A 20101222; CN 201180062121 A 20111122; EP 11787857 A 20111122; EP 2011070693 W 20111122; HK 14102273 A 20140306; JP 2013545143 A 20111122; TW 100143940 A 20111130; US 201113995052 A 20111122