

Title (en)

DEVICE AND NON-CUTTING SHAPING METHOD FOR INTRODUCING AN OUTSIDE PROFILE INTO A WORKPIECE

Title (de)

VORRICHTUNG UND SPANLOSES UMFORMUNGSVERFAHREN ZUM EINBRINGEN EINES AUSSENPROFILS IN EIN WERKSTÜCK

Title (fr)

DISPOSITIF ET PROCÉDÉ DE FORMAGE SANS ENLÈVEMENT DE MATIÈRE POUR RÉALISER UN PROFIL EXTÉRIEUR DANS UNE PIÈCE

Publication

EP 2274119 A1 20110119 (DE)

Application

EP 09732947 A 20090303

Priority

- DE 2009000285 W 20090303
- DE 102008019437 A 20080417

Abstract (en)

[origin: US2011107806A1] A portable handheld device for introducing an external profile into a longitudinal workpiece by noncutting shaping includes a locking element and a profiling tool having a pitchless profile disposed opposite the locking element and disposable at an adjustable angle as a function of a desired lead angle of the external profile within a force transmission plane, wherein the workpiece is disposable and removable between the profiling tool and the locking element, and wherein the profile tool and the locking element are configured to execute a feed movement relative to one another and to be adjustable to a neutral position.

IPC 8 full level

B21H 3/02 (2006.01); **B21H 3/04** (2006.01); **B21H 7/18** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2009127178A1

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Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

US 2011107806 A1 20110512; **US 8783079 B2 20140722**; CN 102083566 A 20110601; CN 102083566 B 20140115; DE 102008019437 A1 20091022; EP 2274119 A1 20110119; IL 208687 A0 20101230; JP 2011516276 A 20110526; RU 2010146666 A 20120527; RU 2467821 C2 20121127; WO 2009127178 A1 20091022

DOCDB simple family (application)

US 98827009 A 20090303; CN 200980113364 A 20090303; DE 102008019437 A 20080417; DE 2009000285 W 20090303; EP 09732947 A 20090303; IL 20868710 A 20101013; JP 2011504307 A 20090303; RU 2010146666 A 20090303