

Title (en)
NUT SETTING TOOL

Publication
EP 0156681 B1 19880113 (FR)

Application
EP 85400320 A 19850221

Priority
FR 8402888 A 19840224

Abstract (en)
[origin: ES284624U] This tool defines an inner opening (2) having a polygonal inscribed profile having six or twelve angles, said profile comprising grooves (3) at the place of said angles for the purpose of clearing the edges of the nut or bolt body to be driven, these grooves (3) being disposed between bearing surfaces (4) adapted to come into contact with the flat surfaces of said body so as to transmit the tightening or untightening torque. Said bearing surfaces (4) are convex in the direction toward the interior of the opening (2), the position of the contact edge of each bearing surface (4) being defined by a distance (x) to the mid-perpendicular (PM) of said flat surface, and the radius of curvature (R) at the contact of the profile of the bearing surface (4) being related to the value x by the relation: < IMAGE > in which: a is the dimension between the flat surfaces of the inscribed profile of the tool, x is the distance between the contact edge of the mid-perpendicular (PM) of the flat surface, R is the radius of curvature at the contact of the profile of the bearing surface.

IPC 1-7
B25B 13/06

IPC 8 full level
B25B 13/06 (2006.01)

CPC (source: EP US)
B25B 13/065 (2013.01 - EP US)

Cited by
EP3017914A1; US5388486A; FR2800311A1; FR2674166A1; EP0525356A1; EP0236630A1; FR2703619A1; EP0630722A1; US5481948A; DE102014115906B3; US6354175B1; WO0132365A1

Designated contracting state (EPC)
DE GB IT SE

DOCDB simple family (publication)
EP 0156681 A1 19851002; EP 0156681 B1 19880113; DE 3561378 D1 19880218; ES 284624 U 19850801; ES 284624 Y 19860416; FR 2560099 A1 19850830; FR 2560099 B1 19861024; US 4581957 A 19860415

DOCDB simple family (application)
EP 85400320 A 19850221; DE 3561378 T 19850221; ES 284624 U 19850214; FR 8402888 A 19840224; US 70401485 A 19850221