

Title (en)
Axial thread rolling head

Title (de)
Axialgewinderollkopf

Title (fr)
Tête de roulage des filets axial

Publication
EP 1555072 B1 20070704 (DE)

Application
EP 04028284 A 20041130

Priority
DE 202004000424 U 20040114

Abstract (en)
[origin: US2005150267A1] An axial thread-rolling head comprising a shank and a bearing unit held by said shank and having the profiled rolling dies wherein said shank has an elongate gripping portion, a first clutch portion, a supporting portion for the bearing unit, and a driver portion for a central toothed gear of said bearing unit and said bearing unit has a second clutch portion which is in engagement with said first clutch portion when said bearing unit and said shank are in a coupled position because of a spring bias, and is out of engagement when said bearing unit and said shank are axially moved apart, against said spring bias, to a separating position, which allows said bearing unit to perform a relative rotation on said shank, wherein said gripping portion and said clutch portion, on one hand, and said supporting portion and said driver portion, on the other hand, define separate components which are axially fixed and fixed for rotation via connecting portions, but are adapted to be releasably connected to each other.

IPC 8 full level
B21H 3/04 (2006.01)

CPC (source: EP US)
B21H 3/044 (2013.01 - EP US)

Cited by
EP2886224A1; CN105934294A; WO2015091111A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
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DE 502004004230 D1 20070816; EP 1555072 A2 20050720; EP 1555072 A3 20051109; EP 1555072 B1 20070704; ES 2286552 T3 20071201

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