

Title (en)

METHOD AND DEVICE FOR MACHINING EDGE REGIONS OF CYLINDRICAL HOLLOW BODIES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BEARBEITUNG VON RANDBEREICHEN VON ZYLINDRISCHEN HOHLKÖRPERN

Title (fr)

PROCEDE ET DISPOSITIF D'USINAGE DE ZONES MARGINALES DE CORPS CREUX CYLINDRES

Publication

EP 1646461 A1 20060419 (DE)

Application

EP 03739930 A 20030721

Priority

CH 0300485 W 20030721

Abstract (en)

[origin: WO2005007316A1] The invention relates to a method for producing radially inwardly protruding projections or sides (4) on the inner side (3') of tooth tips (3) which are embodied essentially axially in relation to the longitudinal axis on the envelope surface of an essentially cylindrical hollow body (1), in the region of the front edge of the hollow body (1). Such hollow bodies (1) can preferably be clutch lamellae carriers for using in automatic gearboxes. Advantageously, striking or stamping processes are radially carried out from the outside towards the hollow body axis on the outer side (3'') of the tooth tip (3) in the region of the front edge. The striking and stamping processes are respectively carried out only over part of the width (b) of a respective tooth tip (3). In this way, modifications by said striking and stamping processes to the outer shape of the tooth tips (3), especially the outer edges and flanks (7), are advantageously avoided.

IPC 1-7

B21H 5/02; **B21K 1/30**; **B21J 5/12**

IPC 8 full level

B21J 5/12 (2006.01); **B21K 1/30** (2006.01)

CPC (source: EP US)

B21J 5/12 (2013.01 - EP US); **B21K 1/30** (2013.01 - EP)

Citation (search report)

See references of WO 2005007316A1

Cited by

CN111033071A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005007316 A1 20050127; AU 2003304350 A1 20050204; CA 2533051 A1 20050127; CN 100358651 C 20080102; CN 1787891 A 20060614; EP 1646461 A1 20060419; JP 2007504953 A 20070308

DOCDB simple family (application)

CH 0300485 W 20030721; AU 2003304350 A 20030721; CA 2533051 A 20030721; CN 03826673 A 20030721; EP 03739930 A 20030721; JP 2005504317 A 20030721