

Title (en)

Device for marking a conical surface of rotation symmetric bodies

Title (de)

Vorrichtung zum Einformen einer Beschriftung an einer kegeligen oder kegelähnlichen Fläche von rotationssymmetrischen Körpern

Title (fr)

Dispositif de marquage d'une surface conique des corps à symétrie de rotation

Publication

EP 0569672 B1 19960710 (DE)

Application

EP 93103377 A 19930303

Priority

DE 9206302 U 19920511

Abstract (en)

[origin: EP0569672A1] The apparatus has an inscribing head (10) with an inscribing tool (13). The inscribing head (10) is mounted on a stationary guide track (6, 7) with a circular path whose central axis (11) coincides with the axis line (12) of the body (1). The inscribing head (10) can be moved along the guide track (6, 7) in the direction (22) of the lines of the inscription by means of a first servo motor (21). The inscribing tool (13), arranged on the side of the inscribing head (10) which faces the central axis (11) can be moved within the inscribing head (10) by means of a second servo motor (35) at right angles to the direction (22) of rotation of the guide track (6, 7) and obliquely to the axial direction (11) in the vertical direction (36) of the lines of the inscription which is to be made, so that the continuously operated inscribing tool (13) can be driven, by computer-controlled operation of the two servo motors (21, 35), in the writing plane, resembling the surface of a cone, extended by the longitudinal direction (22) of the lines and the vertical direction (36) of the lines to perform a writing movement. <IMAGE>

IPC 1-7

B44B 3/04; **B44B 3/06**; **B44B 5/00**; **B44B 7/00**

IPC 8 full level

B41J 3/38 (2006.01); **B41J 3/413** (2006.01); **B44B 3/04** (2006.01); **B44B 3/06** (2006.01); **B44B 5/00** (2006.01); **B44B 7/00** (2006.01)

CPC (source: EP)

B41J 3/38 (2013.01); **B41J 3/413** (2013.01); **B44B 3/04** (2013.01); **B44B 3/061** (2013.01); **B44B 5/0019** (2013.01); **B44B 5/0061** (2013.01); **B44B 7/00** (2013.01)

Cited by

CN105599455A; EP0703098A1; CN111070901A; CN105667169A

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL PT SE

DOCDB simple family (publication)

EP 0569672 A1 19931118; **EP 0569672 B1 19960710**; AT E140190 T1 19960715; DE 59303180 D1 19960814; DE 9206302 U1 19920730; ES 2089611 T3 19961001

DOCDB simple family (application)

EP 93103377 A 19930303; AT 93103377 T 19930303; DE 59303180 T 19930303; DE 9206302 U 19920511; ES 93103377 T 19930303