

Title (en)
DEVICE FOR MANIPULATING A PRODUCT AND FOR PROCESSING RADIOSCOPY IMAGES OF THE PRODUCT TO OBTAIN TOMOGRAPHIC SECTIONS AND USES

Title (de)
VORRICHTUNG UND VERFAHREN ZUR HANDHABUNG EINES PRODUKTS UND ZUR BEARBEITUNG VON RÖNTGENBILDERN DES PRODUKTS UM TOMOGRAPHISCHE SCHNITTE ZU ERHALTEN UND ANWENDUNGEN

Title (fr)
DISPOSITIF ET PROCEDE DE MANIPULATION D'UN PRODUIT ET DE TRAITEMENT D'IMAGES RADIOSCOPIQUES DU PRODUIT POUR OBTENIR DES COUPES TOMOGRAPHIQUES ET UTILISATIONS

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Application
EP 02704820 A 20020213

Priority
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Abstract (en)
[origin: FR2820822A1] The invention concerns a device produced in the form of an assembly which can be integrated in any installation (13) for radioscopy of the product and comprising means for driving the product (5) in rotation about an axis (5a) perpendicular to the tomographic section plane to be obtained, a unit controlling (15, 16) the means (14) driving the product (5) in rotation, to drive the product (5) in rotation about the axis (5a) and an image acquisition and processing unit (16) including means for automatically acquiring and storing radioscopy images of the product (5) while the product (5) is rotating, in digital form, and calculating means for processing the digital images and constructing tomographic sections using a calculating algorithm. The device enables fault controls or geometrical and dimensional controls in mechanical parts for the automotive industry such as cylinder heads.

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G01N 23/04; **G01N 23/18**

IPC 8 full level
G01N 23/04 (2006.01)

CPC (source: EP US)
G01N 23/046 (2013.01 - EP US); **G01N 2223/419** (2013.01 - EP US)

Citation (search report)
See references of WO 02065110A1

Citation (examination)
BECKMANN F.; LIPPMANN T.; BONSE U.: "High-energy microtomography using synchrotron radiation", PROCEEDINGS OF SPIE, vol. 4142, 2000, pages 225 - 230, XP009094231

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