

Title (en)

Method and apparatus for measuring the radius of bent products

Title (de)

Verfahren und Vorrichtung zum Feststellen von Radien bei Biegeteilen

Title (fr)

Procédé et dispositif pour mesurer des rayons de pièces cintrées

Publication

EP 0767016 A3 19971203 (DE)

Application

EP 96115724 A 19961001

Priority

DE 19536938 A 19951004

Abstract (en)

[origin: EP0767016A2] The method involves using components (10) having two cylindrical surfaces. An inner surface (14) faces a centre of curvature, a second surface (12) faces away from it. The length of the radius (Ri) of the inner surface is calculated as a ratio, from the radial distance (b) of both cylindrical surface forming the dividend and a divisor. The divisor is the difference of the quotient of the curvature length (La) of the outer surface, divided by the length (Li) of the inner surface, minus 1. The radial distance (b) between the cylinder surfaces is measured after measuring of the curvature length, at least one of which is measured contact-free.

IPC 1-7

B21D 7/08; **B21D 7/14**

IPC 8 full level

B21D 7/08 (2006.01); **B21D 7/14** (2006.01)

CPC (source: EP)

B21D 7/08 (2013.01); **B21D 7/14** (2013.01)

Citation (search report)

- [DA] DE 3209536 A1 19821014 - LIRI COSTRUZIONI MECC [IT]
- [A] DE 4225878 A1 19940210 - BAYER ISOLIERGLASFAB KG [DE]
- [A] DE 3041212 A1 19820513 - SCHAEFER AUGUST W
- [A] GB 2087561 A 19820526 - SMT PULLMAX
- [A] DE 2360780 B1 19750227

Cited by

CN113884958A; EP2399688A1; ITMI20101124A1; EP2248611A1; CN101879542A; ITRM20090215A1; EP2873943A2; US10092937B2; ITTO20130936A1; CN104646451A; JP2015098053A; EP2873943A3; EP3051251A1; EP3540366A1; RU2705047C2

Designated contracting state (EPC)

CH FR IT LI NL SE

DOCDB simple family (publication)

EP 0767016 A2 19970409; **EP 0767016 A3 19971203**; **EP 0767016 B1 19990602**; DE 19602504 A1 19970410

DOCDB simple family (application)

EP 96115724 A 19961001; DE 19602504 A 19960125