

Title (en)

FLEXIBLE STEEL RING PROVIDED WITH A NANOCRYSTALLINE SURFACE LAYER FOR A DRIVE BELT FOR A CONTINUOUSLY VARIABLE TRANSMISSION AND METHOD FOR PRODUCING SUCH RING

Title (de)

FLEXIBLER STAHLRING MIT EINER NANOKRISTALLINEN OBERFLÄCHENSCHICHT FÜR EINEN ANTRIEBSRIEMEN FÜR EIN STUFENLOSES GETRIEBE UND VERFAHREN ZUR HERSTELLUNG SOLCH EINES RINGS

Title (fr)

BAGUE EN ACIER SOUPLE DOTÉE D'UNE COUCHE DE SURFACE NANOCRISTALLINE POUR UNE COURROIE D'ENTRAÎNEMENT DESTINÉE À UNE TRANSMISSION À VARIATION CONTINUE ET PROCÉDÉ DE FABRICATION D'UNE TELLE BAGUE

Publication

EP 3087293 A1 20161102 (EN)

Application

EP 14830807 A 20141224

Priority

- NL 1040575 A 20131224
- EP 2014079290 W 20141224

Abstract (en)

[origin: WO2015097277A1] The invention relates to a flexible ring (32) made from steel for use in a drive belt (3) for a continuously variable transmission, which ring (32) is provided with a surface layer including only crystals with a grain size of less than 0.1 micron. By such nanocrystalline surface layer the fatigue strength of the conventional ring (32) could be improved upon.

IPC 8 full level

F16G 5/16 (2006.01)

CPC (source: EP)

C21D 7/06 (2013.01); **C23C 8/02** (2013.01); **C23C 8/26** (2013.01); **F16G 5/16** (2013.01); **C21D 2201/03** (2013.01)

Citation (search report)

See references of WO 2015097277A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015097277 A1 20150702; CN 105849436 A 20160810; CN 105849436 B 20190315; EP 3087293 A1 20161102

DOCDB simple family (application)

EP 2014079290 W 20141224; CN 201480070855 A 20141224; EP 14830807 A 20141224