

Title (en)

Method for manufacturing a pulley for motor vehicle applications

Title (de)

Verfahren zur Herstellung einer Riemenscheibe für Kraftfahrzeuganwendungen

Title (fr)

Procédé de fabrication d'une poulie pour applications dans des véhicules à moteur

Publication

EP 2826571 A2 20150121 (EN)

Application

EP 14174834 A 20140627

Priority

IT TO20130533 A 20130628

Abstract (en)

The invention relates to a method for manufacturing a pulley (1) for motor vehicle applications starting from a plane disk (21), which has a central axis (A) and defines a reference plane (P) orthogonal to said axis (A); the method comprises the steps of: bending an annular peripheral portion (51) of the disk (21) in a direction transverse to the reference plane (P) so as to define a rim (59) in relief; deforming, in a first axial direction (S), a central portion (52) of the disk (21) so as to generate a first cup-shaped portion (53); deforming, in a second axial direction (T) opposite to the first direction (S), a central portion of the first cup-shaped portion (53) so as to generate a second cup-shaped portion (86) axially projecting from the opposite side of the reference plane (P) with respect to the rim (59); reducing the axial height of the second cup-shaped portion (86) with respect to the reference plane (P) so as to increase the thickness thereof; and carrying out a coining operation on a surface (13) of the second cup-shaped portion (86) that is parallel to the reference plane (P) and faces the opposite side of the reference plane (P) itself to generate a plurality of radial impressions (15).

IPC 8 full level

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