Title (en)
Method for manufacturing a cone-shaped jacket

Title (de)
Verfahren zur Herstellung einer konusförmigen Hülse

Title (fr)
Procédé destiné à la fabrication d'une douille conique

Publication
EP 1837096 A1 20070926 (DE)

Application
EP 07005976 A 20070322

Priority
DE 102006013238 A 20060322

Abstract (en)
The method involves winding of a wire section to a wire hoop section (18). The wire hoop section is reshaped to a cone-shaped jacket (20). The wire section is truncated by a wire strand (10). The wire hoop section is truncated after the winding from the wire strand. The wire section before the winding is reshaped to a rectangular wire section (14). The rectangular wire section is formed by rolling or stretching of the wire strand or the wire section. An independent claim is also included for a cone jacket of a wire section.

Abstract (de)
Die vorliegende Erfindung betrifft ein Verfahren zur Herstellung einer konusförmigen Hülse (20), bei dem ein Drahtabschnitt (10, 14) zu einem Drahtringsegment (18) gewickelt wird und anschließend dieses Drahtringsegment (18) zur konusförmigen Hülse (20) umgeformt wird. Das vorgeschlagene Verfahren ist gegenüber der bekannten spanenden Fertigung von Konushülsen kostengünstiger und ressourcensparender.

IPC 8 full level
B21F 3/00 (2006.01); **B21D 53/16** (2006.01); **B21F 37/00** (2006.01); **B21K 1/76** (2006.01); **F16L 21/04** (2006.01)

CPC (source: EP)
B21D 53/16 (2013.01); **B21D 53/20** (2013.01); **B21F 3/00** (2013.01); **B21F 37/00** (2013.01); **B21K 1/761** (2013.01)

Citation (search report)
- [X] JP H02176225 A 19900709 - AISIN SEIKI
- [X] EP 0879661 A1 19981125 - SOFEDIT [FR]
- [X] US 1377266 A 19210510 - FRANK MOSSBERG
- [A] EP 1402972 A1 20040331 - KANAI HIROAKI [JP]
- [A] US 6780260 B1 20040824 - GOLDSTEIN DAVID [US], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1837096 A1 20070926; **EP 1837096 B1 20100310**; AT E460241 T1 20100315; DE 102006013238 A1 20070927; DE 502007003053 D1 20100422; ES 2341293 T3 20100617

DOCDB simple family (application)
EP 07005976 A 20070322; AT 07005976 T 20070322; DE 102006013238 A 20060322; DE 502007003053 T 20070322; ES 07005976 T 20070322