

Title (en)
Casing body

Title (de)
Hülsenkörper

Title (fr)
Corps de manchon

Publication
EP 2499932 A1 20120919 (DE)

Application
EP 11002218 A 20110317

Priority
EP 11002218 A 20110317

Abstract (en)
A sleeve component is made of a thermoplastic compound, and has cavity enclosed with three-layered structure comprising 1-10 outer shells, an intermediate shell and 1-10 inner shells. The intermediate shell contains polyamide foam, and at least one of inner and outer shells are made of polyamide or its derivative.

Abstract (de)
Die vorliegende Erfindung betrifft einen Hülsenkörper (1) aus einem thermoplastischen Kunststoff, insbesondere für Kosmetikstifte oder Schreibstifte, dessen Hohlraum H von einem mindestens dreischaligen Aufbau A, Z, I umschlossen ist, wobei er 1 bis 10 äußere Schalen A, eine Zwischenschale Z und 1 bis 10 innere Schalen I aufweist, wobei die Zwischenschale Z Polyamidschaum und mindestens eine der anderen Schalen A, I Polyamid enthält und/oder daraus besteht.

IPC 8 full level
B43K 19/16 (2006.01); **A45D 40/20** (2006.01); **B43K 19/14** (2006.01)

CPC (source: EP KR US)
A45D 40/20 (2013.01 - EP KR US); **B43K 19/00** (2013.01 - KR); **B43K 19/14** (2013.01 - EP US); **B43K 19/16** (2013.01 - EP US); **Y10T 428/1376** (2015.01 - EP US)

Citation (applicant)
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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)
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DOCDB simple family (application)
EP 11002218 A 20110317; CN 201210072691 A 20120319; ES 11002218 T 20110317; KR 20120027034 A 20120316; PL 11002218 T 20110317; US 201213421541 A 20120315