

Title (en)
APPLICATOR WITH SLANTED PLATE ELEMENT

Title (de)
APPLIKATOR MIT SCHRÄG STEHENDEN PLATTENELEMENTEN

Title (fr)
APPLICATEUR AYANT DES ÉLÉMENTS DE PLAQUE SE TROUVANT EN BIAIS

Publication
EP 3177177 A1 20170614 (DE)

Application
EP 15747809 A 20150806

Priority
• DE 202014103667 U 20140806
• EP 2015068156 W 20150806

Abstract (en)
[origin: WO2016020475A1] The invention relates to a mascara applicator (1) comprising a core (2) and a border consisting of fingers (4) and flanks (5) which are preferably integrally connected to the core. The aim of the invention is to provide a solution which provides a mascara applicator that allows different application results. This is achieved in that each of the flanks (5) consists of at least one plate element (6). Each plate element (6) has two main surfaces (H) and otherwise only narrow surfaces (S), and the main surfaces (H) are characterized in that each open surface of the main surfaces is at least four times, preferably at least six times, larger than the open surface of each of the narrow surfaces (S); the main surfaces (H) run diagonally to the applicator longitudinal axis (L), preferably at an angle (α) between 10° and 35°; and the plate elements (6) exhibit an increased geometrical moment of inertia on the basis of the slanted position of the plate elements both in the circumferential direction as well as in a direction parallel to the applicator longitudinal axis (L) such that the plate elements (6) have an increased resistance against bending due to a bending moment acting about the applicator longitudinal axis (L) as well as against bending due to a bending moment acting perpendicularly to the applicator longitudinal axis (L).

IPC 8 full level
A46B 3/00 (2006.01); **A46B 9/02** (2006.01)

CPC (source: EP US)
A46B 3/005 (2013.01 - EP US); **A46B 9/021** (2013.01 - EP US); **A46B 2200/1053** (2013.01 - EP US)

Citation (search report)
See references of WO 2016020475A1

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)
DE 202014103667 U1 20151109; EP 3177177 A1 20170614; US 2018125217 A1 20180510; WO 2016020475 A1 20160211

DOCDB simple family (application)
DE 202014103667 U 20140806; EP 15747809 A 20150806; EP 2015068156 W 20150806; US 201515502161 A 20150806