

Title (en)  
IMPROVED HAIR ROLLER

Title (de)  
VERBESSERTER LOCKENWICKLER

Title (fr)  
BIGOUDI AMÉLIORÉ

Publication  
**EP 3338591 A1 20180627 (EN)**

Application  
**EP 17210090 A 20171222**

Priority  
GB 201622079 A 20161223

Abstract (en)

The present invention is concerned with a hair roller (2). The hair roller (2) has an inner shell (4), an outer shell (8), and a middle shell (6) positioned between the inner shell (4) and the outer shell (8), all of the inner (4), middle (6) and outer (8) shells having a cylindrical profile defining a through cavity.

IPC 8 full level

**A45D 2/24** (2006.01)

CPC (source: CN EP GB US)

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**A45D 2/2485** (2013.01 - EP US); **A45D 2/2492** (2013.01 - CN); **A45D 2/362** (2013.01 - GB); **A45D 6/00** (2013.01 - CN)

Citation (search report)

- [A] DE 29822661 U1 19990218 - FRIPAC MEDIS GMBH PARFUEMERIE [DE]
- [A] DE 2807797 A1 19780907 - BRENN GEB ALBERTONI GEMMA

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)

**EP 3338591 A1 20180627**; **EP 3338591 B1 20191030**; CN 108236191 A 20180703; GB 201622079 D0 20170208; GB 2558249 A 20180711;  
GB 2558249 B 20220504; PL 3338591 T3 20200518; US 2018177274 A1 20180628

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US 201715846512 A 20171219