

Title (en)  
Rotating air directing apparatus for a hair dryer

Title (de)  
Rotierende Luftausrichtungsvorrichtung für einen Haartrockner

Title (fr)  
Appareil de guidage d'air rotatif pour sèche-cheveux

Publication  
**EP 2510827 A1 20121017 (EN)**

Application  
**EP 12002454 A 20120404**

Priority  
US 201113088005 A 20110415

Abstract (en)  
A rotating air directing apparatus for a hair dryer is provided. The apparatus includes a tubular rotating member and a nozzle member disposed adjacent to an outlet opening of the tubular rotating member and adapted to rotate with the tubular rotating member. The nozzle member includes an angled tubular member having a nozzle opening disposed at an acute angle relative to the outlet opening. A plurality of curved vanes each have a fixed edge at a circumferential inner surface of the tubular rotating member, and an opposing free edge that defines a central open space of the tubular rotating member. Each of the plurality of curved vanes are spaced apart from each other, thereby defining a plurality of curved radial openings between adjacent curved vanes.

IPC 8 full level  
**A45D 20/12** (2006.01)

CPC (source: EP KR US)  
**A45D 20/10** (2013.01 - KR); **A45D 20/12** (2013.01 - KR); **A45D 20/124** (2013.01 - EP US)

Citation (search report)

- [XA] JP 2006075194 A 20060323 - SANYO ELECTRIC CO, et al
- [XA] US 5473824 A 19951212 - PREHODKA BARRY V [US]
- [A] JP 2004176597 A 20040624 - MORI KAZUHIKO
- [A] US 2005072019 A1 20050407 - RAGO PAUL S [US], et al

Cited by  
EP3045096A1; FR3031663A1; FR3125209A1; WO2023285448A1

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 2510827 A1 20121017; EP 2510827 B1 20150902**; AU 2012202132 A1 20121101; AU 2012202132 B2 20140814; BR 102012008723 A2 20150407; CA 2772363 A1 20121015; CA 2772363 C 20160809; CN 103027468 A 20130410; CN 103027468 B 20161116; ES 2548044 T3 20151013; JP 2012223579 A 20121115; JP 5537595 B2 20140702; KR 101445591 B1 20140929; KR 20120117664 A 20121024; MX 2012004421 A 20130219; TW 201249365 A 20121216; TW I491368 B 20150711; US 2012260516 A1 20121018; ZA 201202702 B 20130130

DOCDB simple family (application)  
**EP 12002454 A 20120404**; AU 2012202132 A 20120412; BR 102012008723 A 20120413; CA 2772363 A 20120322; CN 201210109846 A 20120413; ES 12002454 T 20120404; JP 2012092295 A 20120413; KR 20120037896 A 20120412; MX 2012004421 A 20120413; TW 101108712 A 20120314; US 201113088005 A 20110415; ZA 201202702 A 20120413