

Title (en)  
Heating element for hair dryer

Title (de)  
Heizelement für einen Haartrockner

Title (fr)  
Élément de chauffage pour sèche-cheveux

Publication  
**EP 2000042 A1 20081210 (EN)**

Application  
**EP 07356076 A 20070607**

Priority  
EP 07356076 A 20070607

Abstract (en)  
Disclosed is a heating element of a hair dryer in which heating efficiency is improved, the calorific value is uniform, negative ions and far infrared rays are generated, disadvantages due to power saving and a broken heating wire are prevented, a structure is simplified so that manufacturing and productivity of the hair dryer can be improved. The heating element includes an aluminum inner radiating plate, installed in the front end of the wind discharging passage, and having a plurality of ventilation holes, an aluminum outer radiating plate, installed in the outside of the inner radiating plate to be spaced apart from the inner radiating plate, and having a plurality of ventilations, and a plurality of ceramic heating elements disposed in a space formed between the inner and outer radiating plates and heated by conducted heat from the inner and outer radiating plates to emit negative ions and far infrared rays.

IPC 8 full level  
**A45D 20/08** (2006.01)

CPC (source: EP)  
**A45D 20/12** (2013.01); **A45D 2200/202** (2013.01); **A45D 2200/205** (2013.01)

Citation (search report)  
• [A] WO 2005032299 A2 20050414 - ROVCAL INC [US], et al  
• [A] WO 2004030491 A1 20040415 - SLINGO FRED M [US]

Cited by  
GB2516249A; GB2516249B; WO2019006524A1; US9687058B2; US9144286B2; US9173468B2; US9512959B2; US9808067B2; US10213001B2; US10278471B2; US9675157B2; US10687595B2; US9282800B2; US10080414B2; US10441050B2; US9282799B2; US9681726B2; US9808065B2; US9808066B2; US11168924B2; US10016040B2; US10610000B2; US9510395B2; US10117491B2; US11712098B2; US9526310B2; US10010150B2; US10194728B2; US10575617B2

Designated contracting state (EPC)  
DE FR GB

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 2000042 A1 20081210**

DOCDB simple family (application)  
**EP 07356076 A 20070607**