

Title (en)

HAIR DRYER EMPLOYING FAR-INFRARED RADIATION

Title (de)

FERNE INFRAROTSTRAHLUNG EINSETZENDER HAARTROCKNER

Title (fr)

SECHE CHEVEUX PAR RAYONNEMENT INFRAROUGE LOINTAIN

Publication

EP 1385401 A1 20040204 (EN)

Application

EP 02709260 A 20020201

Priority

- US 0202833 W 20020201
- US 82406601 A 20010402
- US 83768801 A 20010418

Abstract (en)

[origin: WO02080729A1] A hair dryer (10) employing a radiator made of a ceramic adapted when heated to radiate far-infrared radiation which includes an elongate body (20), which has an inlet end defining an inlet (24) and an outlet end (26) defining an outlet (28), a fan (40), which is adapted when driven to draw air into the inlet, to move air through the elongate body, and to blow air from the outlet, an electrical motor (50), which is adapted when energized to drive the fan, and an electrical heater (60), which is mounted within the elongate body, between the fan and the outlet. The ceramic radiator is configured as a grille having plural apertures (104), through which air can flow when moved through the elongate body by the fan when energized. As the flow modifier (120), such as a flow concentrator, would be otherwise mounted, the ceramic radiator is mounted to the elongate body, at or near the outlet end, within the outlet, via a generally tubular adapter. The ceramic radiator is mounted so as to be radiantly heated by the electrical heater when energized and so as to be additionally heated by air being moved through the elongate body by the fan when the electrical motor is energized and being heated by the electrical heater when the electrical heater is energized.

IPC 1-7

A45D 20/00; **A45D 20/12**; **C04B 35/18**

IPC 8 full level

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CPC (source: EP)

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