

Title (en)

Hot air blower with ceramic heating element

Title (de)

Warmluftgebläse mit keramischem Heizelement

Title (fr)

Souffleur d'air chaud avec élément céramique chauffant

Publication

**EP 1714577 A2 20061025 (EN)**

Application

**EP 06007714 A 20060412**

Priority

CN 200520015978 U 20050418

Abstract (en)

There is provided a heating element (330) for an electric air heater including an electric power source, a ceramic base, and a conductive heating film substantially uniformly deposited on at least a portion of a surface of the base and electrically connected to the power source. There is also provided a method for manufacturing the heating element. There is further provided an electric hot air blower (300) including a housing having an air inlet (310) and an air outlet (315), a fan (320) operatively connected to an electric motor (325), and an electric heating element (330) located inside the housing that includes a ceramic base and a conductive film substantially uniformly deposited on a surface of the base and electrically connected to a power source. The electric heating element is located along an air flow path of the blower for heating air flow.

IPC 8 full level

**A45D 20/38** (2006.01)

CPC (source: EP US)

**A45D 20/38** (2013.01 - EP US); **H05B 3/265** (2013.01 - EP US)

Citation (applicant)

US 6378225 B1 20020430 - SLINGO FRED M [US]

Citation (third parties)

Third party :

- TW 355947 B
- TW 267789 B
- TW 238409 B 19950111
- CN 1273560 C 20060906 - WANG PEIYING [CN]
- WO 02080728 A1 20021017 - SLINGO FRED M [US]
- TW 472997 B
- EP 1086630 A2 20010328 - CREATE CO LTD [JP]
- WO 02080729 A1 20021017 - SLINGO FRED M [US]
- CN 2501277 Y 20020717 - CAI YUXI [CN]
- CN 1251747 A 20000503 - WALL SHAVER CO [US]
- US 6148537 A 20001121 - ALTAMORE NICOLO [US]

Cited by

KR101312014B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1714577 A2 20061025; EP 1714577 A3 20100804**; CN 2856836 Y 20070110; US 2007033825 A1 20070215; WO 2006111048 A1 20061026

DOCDB simple family (application)

**EP 06007714 A 20060412**; CN 2005000698 W 20050520; CN 200520015978 U 20050418; US 37175306 A 20060309