

Title (en)
FAN-ASSISTED AIR HEATER

Publication
EP 0203437 B1 19900228 (DE)

Application
EP 86106373 A 19860509

Priority
DE 3518426 A 19850522

Abstract (en)
[origin: US4757183A] A cordless portable hand held hair dressing appliance has a housing provided with a pistol-grip handle and containing a battery operated electric fan arranged to draw air into the housing through an air inlet for flow through a heat structure to be heated prior to discharge from a housing air outlet. The heater structure includes air elongated heat accumulator member of high specific heat penetrated in the longitudinal direction by a plurality of air ducts each having an intake communicating with the housing inlet and an outlet communicating with a mixing chamber connected to the housing outlet. The heat accumulator member is formed of a ceramic, e.g., Al₂O₃ and MgO, and is adapted to be heated to store heat therein by an electrical heating conductor structure formed by a layer of electrical resistance material on the wall of each duct. The fan battery is rechargeable and the handle is provided with a detachable electric plug contacts for connecting the heating conductor structure to an external power source for preheating prior to use and for connecting the rechargeable battery to a batter charger.

IPC 1-7
A45D 20/10

IPC 8 full level
H05B 3/46 (2006.01); **A45D 20/10** (2006.01)

CPC (source: EP US)
A45D 20/10 (2013.01 - EP US)

Cited by
DE102014004602A1; DE102012002440A1; GB2255906A; DE102012002440B4; EP0462027A1; FR2662919A1; US5195253A; GB2253351A; CN104956157A; DE102012205668A1; DE102012205668B4; EP2647308A3; RU2626988C2; EP3308239A4; WO2013113513A3; WO9901049A1; WO2013113513A2; US10801750B2; WO2014114387A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0203437 A2 19861203; EP 0203437 A3 19870107; EP 0203437 B1 19900228; AT E50483 T1 19900315; BR 8602268 A 19870121; CA 1264794 A 19900123; DE 3518426 A1 19861127; DE 3669098 D1 19900405; JP S61272004 A 19861202; US 4757183 A 19880712

DOCDB simple family (application)
EP 86106373 A 19860509; AT 86106373 T 19860509; BR 8602268 A 19860520; CA 509508 A 19860520; DE 3518426 A 19850522; DE 3669098 T 19860509; JP 11630586 A 19860522; US 86525786 A 19860520