

Title (en)
HAIR CARE APPLIANCE

Title (de)
HAARPFLEGEGERÄT

Title (fr)
APPAREIL DE SOINS CAPILLAIRES

Publication
EP 4233633 A1 20230830 (EN)

Application
EP 23169331 A 20220711

Priority

- US 202163279041 P 20211112
- US 202217737518 A 20220505
- US 202217737565 A 20220505
- US 202217737596 A 20220505
- EP 22184225 A 20220711

Abstract (en)
A hair care appliance is provided. The hair care appliance includes a handle and a body coupled to the handle via a rotational hinge joint. The body can be movable via the rotational hinge joint between a straight configuration in which the body is aligned with a longitudinal axis of the handle and a bent configuration in which the body extends along an axis transverse to the longitudinal axis of the handle. A fluid flow path extends between an inlet in the handle and an outlet in the body. The hair care appliance can be operated with minimal loss of fluid flow in either the straight configuration and the bent configuration. The hair care appliance includes a fan assembly in the handle and a heater assembly in the body that are positioned to create a balanced center of mass of the hair care appliance when operated by a user.

IPC 8 full level
A45D 20/12 (2006.01)

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

Citation (search report)

- [XA] CN 113180525 A 20210730 - DREAME TECH SHANGHAI CO LTD
- [XI] WO 2021078633 A1 20210429 - SEB SA [FR]
- [A] US 2021267341 A1 20210902 - YOO HEE JO [KR]

Citation (third parties)
Third party : Anonymous

- CN 211459143 U 20200911 - CIXI HENGNING ELECTRIC APPLIANCE CO LTD
- CN 211672808 U 20201016 - CHEN HONGMEI
- US 2015007444 A1 20150108 - MOLONEY PATRICK JOSEPH WILLIAM [GB], et al
- US 3261107 A 19660719 - PONCZEK GEORGE M, et al
- KR 20200116277 A 20201012 - LG ELECTRONICS INC [KR]
- US 2015192325 A1 20150709 - TAKEMOTO SHINJI [JP]
- US 4122329 A 19781024 - GODEL SIEGFRIED
- US 4647757 A 19870303 - HAASTRUP HENRIK K [DK]
- US 2015192325 A1 20150709 - TAKEMOTO SHINJI [JP]
- US 4198556 A 19800415 - CROWLEY GEORGE C [US], et al
- US 2017150797 A1 20170601 - IMHASLY NATHAN HARUNA WATERS [GB], et al
- CN 111387672 A 20200710 - CHEN HONGMEI
- CN 112315167 A 20210205 - YIREN AUTOMATION TECH NINGBO CO LTD
- CN 113080595 A 20210709 - SEB SA

Third party : Anonymous 19:29

- CN 211459143 U 20200911 - CIXI HENGNING ELECTRIC APPLIANCE CO LTD
- KR 20200116277 A 20201012 - LG ELECTRONICS INC [KR]
- CN 111387672 A 20200710 - CHEN HONGMEI
- US 2015192325 A1 20150709 - TAKEMOTO SHINJI [JP]
- US 4122329 A 19781024 - GODEL SIEGFRIED

Third party : Anonymous 19:34

- US 4647757 A 19870303 - HAASTRUP HENRIK K [DK]
- US 2015007444 A1 20150108 - MOLONEY PATRICK JOSEPH WILLIAM [GB], et al
- US 3261107 A 19660719 - PONCZEK GEORGE M, et al
- CN 112315167 A 20210205 - YIREN AUTOMATION TECH NINGBO CO LTD
- CN 113080595 A 20210709 - SEB SA

Third party : Anonymous 19:36
US 2017150797 A1 20170601 - IMHASLY NATHAN HARUNA WATERS [GB], et al

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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)

EP 4179916 A1 20230517; AU 2022383822 A1 20230928; CN 116114987 A 20230516; CN 218791006 U 20230407; EP 4233633 A1 20230830; EP 4233633 B1 20240918; EP 4233634 A2 20230830; EP 4233634 A3 20230913; JP 2024514916 A 20240403; KR 20240019253 A 20240214; WO 2023086687 A1 20230519

DOCDB simple family (application)

EP 22184225 A 20220711; AU 2022383822 A 20220808; CN 202210682038 A 20220615; CN 202221509340 U 20220615; EP 23169331 A 20220711; EP 23169334 A 20220711; JP 2023564024 A 20220808; KR 20247000454 A 20220808; US 2022074663 W 20220808