

Title (en)  
HAIR STYLING DEVICE

Title (de)  
HAARSTYLINGVORRICHTUNG

Title (fr)  
DISPOSITIF DE COIFFURE

Publication  
**EP 4294232 A1 20231227 (EN)**

Application  
**EP 22705060 A 20220215**

Priority  
• EP 21157312 A 20210216  
• EP 2022053564 W 20220215

Abstract (en)  
[origin: EP4042900A1] A hair styling device (1) comprises a hair styling component (11, 13), a heating mechanism (20) configured to heat the hair styling component (11, 13), a component temperature sensor (21) configured to detect a temperature of the hair styling component (11, 13), a hair temperature sensor (22) configured to detect a temperature of hair faced by the hair styling component (11, 13) during operation of the hair styling device (1), and a controller (23) configured to receive input from at least both temperature sensors (21, 22), and to process the inputs to control operation of the heating mechanism (20).

IPC 8 full level  
**A45D 1/06** (2006.01); **A45D 1/28** (2006.01); **A45D 2/00** (2006.01)

CPC (source: CN EP KR US)  
**A45D 1/04** (2013.01 - CN); **A45D 1/06** (2013.01 - EP KR); **A45D 1/28** (2013.01 - CN EP KR); **A45D 2/001** (2013.01 - CN EP KR US); **A45D 6/20** (2013.01 - CN US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4042900 A1 20220817**; CN 114938881 A 20220826; CN 218790999 U 20230407; EP 4294232 A1 20231227; JP 2024506654 A 20240214; KR 20230145179 A 20231017; US 2024099439 A1 20240328; WO 2022175213 A1 20220825

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**EP 21157312 A 20210216**; CN 202210136662 A 20220215; CN 202220332513 U 20220215; EP 2022053564 W 20220215; EP 22705060 A 20220215; JP 2023548649 A 20220215; KR 20237031446 A 20220215; US 202218275449 A 20220215