

Title (en)  
HEATING DEVICE AND AEROSOL FORMING DEVICE

Title (de)  
ERWÄRMUNGSVORRICHTUNG UND AEROSOLERZEUGUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE CHAUFFAGE ET DISPOSITIF DE FORMATION D'AÉROSOL

Publication  
**EP 4129094 A1 20230208 (EN)**

Application  
**EP 20927880 A 20201224**

Priority  
• CN 202010217681 A 20200325  
• CN 2020139049 W 20201224

Abstract (en)  
A heating device (100) includes: a cover (110) including a proximal end (11) provided with an air inlet (1110) and a distal end (12) distant from the proximal end (11); a receiving cavity (121), the proximal end (11) being provided with a feed port (1111), the receiving cavity (121) being disposed in the cover (110) and communicated with the feed port (1111); a heating element disposed in the cover (110) and extending into the receiving cavity (121); an air inlet passage (130) located in the cover (110) and extending from the air inlet (1110) to the distal end (12); and air outlet passage (131) merges with the end of the air inlet passage (130) close to the distal end (12), and extends to the proximal end (11) through the receiving cavity (121), the air inlet passage (130) being disposed around the outside of the receiving cavity (121).

IPC 8 full level  
**A24F 40/46** (2020.01); **A24F 40/40** (2020.01)

CPC (source: EP KR)  
**A24F 40/40** (2020.01 - KR); **A24F 40/46** (2020.01 - EP KR); **A24F 40/485** (2020.01 - EP KR); **A24F 40/50** (2020.01 - KR); **A24F 40/60** (2020.01 - EP KR); **G08B 6/00** (2013.01 - KR); **A24F 40/20** (2020.01 - EP KR)

Cited by  
EP4140574A4

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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 4129094 A1 20230208**; **EP 4129094 A4 20230823**; CN 111387566 A 20200710; CN 111387566 B 20240802; JP 2023511919 A 20230323; JP 7431985 B2 20240215; KR 20220118523 A 20220825; WO 2021190011 A1 20210930

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