

Title (en)

INDUCTION HOB HAVING COOLING DEVICE WITH AXIAL FAN

Title (de)

INDUKTIONSKOCHFELD MIT KÜHLVORRICHTUNG MIT AXIALLÜFTER

Title (fr)

PLAQUE DE CUISSON À INDUCTION DOTÉE D'UN DISPOSITIF DE REFROIDISSEMENT À VENTILATEUR AXIAL

Publication

**EP 4035503 A1 20220803 (EN)**

Application

**EP 19955192 A 20191118**

Priority

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Abstract (en)

[origin: WO2021112776A1] The present invention relates to an induction hob with a cooling device (40) comprising a casing (10); an induction element (50) connected to an electronic device (30) disposed on a lower sheet (12) of the casing (10); a magnetic permeable planar top plate (20) covers top of the casing (10) such that confine an air duct (18) with a predetermined channel height (H) under a magnetic field distance providing a cooking operation with the induction element (50). The cooling device (50) is having an axial fan (43) arranged on the lower sheet (12) of the casing (10) such that rotational speed create an air flow path (F) inside the air duct (18) directly hit the top plate (20) from the lower sheet (12) in order to manipulate the air through the induction element (50) when the axial fan (43) is energized.

IPC 8 full level

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