

Title (en)

Pump with heating device

Title (de)

Pumpe mit Heizeinrichtung

Title (fr)

Pompe avec dispositif de chauffage

Publication

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Application

EP 11162003 A 20080402

Priority

- EP 08735673 A 20080402
- DE 102007017271 A 20070412

Abstract (en)

[origin: WO2008125488A2] The present invention relates to a pump (10, 110), particularly for dishwashers, comprising a housing made of a housing bottom (28, 128), a housing cover (16, 116), and a heating device (30, 130, 36, 136) disposed in between the bottom and cover for heating a washing fluid, the device forming a ring-shaped side wall of the housing, further comprising an impeller (40, 140) arranged in the housing, an intake connection (18, 118) arranged axially in the housing cover (16, 116) relative to the axis of rotation of the impeller (40, 140), and a pressure connection (20, 120), wherein the pressure connection (20, 120) is arranged in the housing cover (16, 116).

IPC 8 full level

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Cited by

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