

Title (en)

PUMP CAPABLE OF DELIVERING HEATED FLUID

Title (de)

PUMPE ZUR FÖRDERUNG VON ERWÄRMTEM FLUID

Title (fr)

POMPE CAPABLE DE FOURNIR UN FLUIDE CHAUFFÉ

Publication

**EP 4137701 A1 20230222 (EN)**

Application

**EP 22187217 A 20220727**

Priority

CN 202121917675 U 20210816

Abstract (en)

The invention discloses a pump capable of delivering a heated liquid. The pump includes a driving portion, an impeller portion, and a cover portion that are sequentially connected. A fluid inlet and a fluid outlet are provided on the cover portion, the driving portion includes a first housing, the impeller portion includes an impeller and a second housing, the first housing, the second housing, and the cover portion are sequentially fixedly connected to define an impeller cavity for mounting the impeller, and the second housing and the impeller are respectively made of materials having same or similar thermal expansion coefficients. Therefore, size changes of the second housing and the impeller after thermal expansion are close, so that a risk of blocking or excessive friction is reduced.

IPC 8 full level

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Citation (search report)

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