

Title (en)

APPARATUS, SYSTEMS, AND METHODS FOR WARMING MATERIALS

Title (de)

GERÄTE, SYSTEME UND METHODEN ZUM AUFWÄRMEN VON MATERIAL

Title (fr)

APPAREIL, SYSTEMES, ET PROCEDES DE CHAUFFAGE DE MATERIAUX

Publication

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Application

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Abstract (en)

[origin: WO0207656A2] Apparatus, systems and methods are provided for the warming of materials. In an embodiment, the heat for warming the materials is provided by an activatable heating substance, such as a supercooled salt solution. In an embodiment, an apparatus maintains fluid at a preselected temperature for prolonged durations. In an embodiment, an apparatus may be sterilized for deployment in a sterile surgical field. In an embodiment, an apparatus may be reused. In an embodiment, an apparatus is adapted for easy pouring of contents.

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Citation (search report)

See references of WO 0207656A2

Cited by

US10036574B2; US11241042B2; US11825870B2; US11672279B2; US11452313B2; US10542777B2; US11064725B2; US11659863B2; US11924930B2

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