

Title (en)

CHEMICAL HEATING COMPOSITIONS AND METHODS

Title (de)

CHEMISCHE ERWÄRMUNGSZUSAMMENSETZUNGEN UND -VERFAHREN

Title (fr)

COMPOSITIONS ET PROCÉDÉS DE CHAUFFAGE CHIMIQUE

Publication

EP 2179229 A2 20100428 (EN)

Application

EP 08781270 A 20080702

Priority

- US 2008069014 W 20080702
- US 94787607 P 20070703

Abstract (en)

[origin: WO2009006521A2] A user-activatable, single-use chemical heater that includes at least one compartment of a first type separated from at least one compartment of a second type by a separator that is compromisable by a user to establish communication therebetween. Water and ingredients of a heating system that generates heat by an oxidation-reduction reaction between aluminum metal and a water-soluble copper halide are stored in and divided between the compartments of the first and second types so as not to initiate the heat-generating reaction until the contents of the compartments of the first and second types mix following compromise of said separator.

IPC 8 full level

F24V 30/00 (2018.01); **A47J 36/28** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2009006521A2

Cited by

US11825870B2; US11241042B2; US10036574B2; US11452313B2; US12016393B2; US10542777B2; US11672279B2; US12041968B2; US11064725B2; US11659863B2; US11924930B2

Designated contracting state (EPC)

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Designated extension state (EPC)

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