

Title (en)
THERMAL ENERGY STORAGE MATERIAL

Publication
EP 0000099 B1 19800723 (EN)

Application
EP 78300030 A 19780609

Priority
GB 2427977 A 19770610

Abstract (en)
[origin: ES470660A1] A thermal energy storage material comprising at least one hydrated inorganic salt having a transition temperature to the anhydrous or a less hydrated form in the range 10 DEG to 100 DEG C. (for example, sodium sulphate decahydrate), the salt being dispersed and suspended in a water-insoluble hydrogel formed from a water-soluble synthetic polymer having pendant carboxylic or sulphonic acid groups cross-linked with cations of a polyvalent metal (for example, aluminium or magnesium).

IPC 1-7
C09K 5/06; F24J 3/00

IPC 8 full level
C09K 5/06 (2006.01); **C09K 3/00** (2006.01)

CPC (source: EP US)
C09K 5/063 (2013.01 - EP US)

Cited by
EP0273779A1; GB2252327A; EP0005362A1; EP0041990B1

Designated contracting state (EPC)
BE CH DE FR LU NL SE

DOCDB simple family (publication)
EP 0000099 A1 19781220; EP 0000099 B1 19800723; AR 217299 A1 19800314; AT 379407 B 19860110; AT A423478 A 19850515; AU 3689578 A 19791213; AU 513058 B2 19801113; BR 7803722 A 19790116; CA 1103454 A 19810623; DE 2860041 D1 19801113; DK 259778 A 19781211; ES 470660 A1 19790216; FI 64808 B 19830930; FI 64808 C 19840110; FI 781830 A 19781211; GB 1584559 A 19810211; GR 64536 B 19800410; IE 47083 B1 19831214; IE 781152 L 19781210; IL 54932 A 19810130; IN 148032 B 19800927; IT 1112264 B 19860113; IT 7824388 A0 19780609; JP S5416387 A 19790206; JP S5730873 B2 19820701; MX 147710 A 19830106; NO 147797 B 19830307; NO 147797 C 19830615; NO 781971 L 19781212; NZ 187511 A 19800826; PT 68155 A 19780701; US 4209413 A 19800624; ZA 783256 B 19790627

DOCDB simple family (application)
EP 78300030 A 19780609; AR 27249778 A 19780608; AT 423478 A 19780609; AU 3689578 A 19780607; BR 7803722 A 19780609; CA 305211 A 19780612; DE 2860041 T 19780609; DK 259778 A 19780609; ES 470660 A 19780609; FI 781830 A 19780608; GB 2427977 A 19770610; GR 780156482 A 19780609; IE 115278 A 19780606; IL 5493278 A 19780616; IN 417DE1978 A 19780606; IT 2438878 A 19780609; JP 7028078 A 19780610; MX 17376578 A 19780609; NO 781971 A 19780606; NZ 18751178 A 19780609; PT 6815578 A 19780608; US 91335178 A 19780607; ZA 783256 A 19780607