

Title (en)
HYDROGELS WITH A LOW FREEZING POINT

Title (de)
HYDROGELE MIT NIEDRIGEM GEFRIERPUNKT

Title (fr)
HYDROGELS A POINT DE CONGELATION BAS

Publication
EP 1831312 A2 20070912 (DE)

Application
EP 05818769 A 20051216

Priority
• EP 2005013554 W 20051216
• DE 102004062458 A 20041220

Abstract (en)
[origin: WO2006066811A2] The invention relates to hydrogels having a low freezing point. Said hydrogels contain at least one water-absorbing polymer, at least one non-aqueous solvent, and water. The invention also relates to a method for the production of said hydrogels, and to the use of the same in cooling elements.

IPC 8 full level
C08L 101/14 (2006.01); **C08J 3/07** (2006.01); **F25D 3/00** (2006.01)

CPC (source: EP US)
C08F 220/06 (2013.01 - EP US); **C08F 291/06** (2013.01 - EP US); **C08J 3/075** (2013.01 - EP US); **C08F 222/102** (2020.02 - EP US); **F25D 2303/085** (2013.01 - EP US)

Citation (search report)
See references of WO 2006066811A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006066811 A2 20060629; **WO 2006066811 A3 20061012**; CN 101084278 A 20071205; DE 102004062458 A1 20060706; EP 1831312 A2 20070912; JP 2008524411 A 20080710; US 2008221260 A1 20080911

DOCDB simple family (application)
EP 2005013554 W 20051216; CN 200580043889 A 20051216; DE 102004062458 A 20041220; EP 05818769 A 20051216; JP 2007547294 A 20051216; US 79246605 A 20051216