

Title (en)
TEMPERATURE-STABILIZED ARTICLES

Title (de)
TEMPERATURSTABILISIERTER ARTIKEL

Title (fr)
ARTICLES A TEMPERATURE STABILISEE

Publication
EP 1196053 A4 20030108 (EN)

Application
EP 00932674 A 20000519

Priority
• US 0014007 W 20000519
• US 13537499 P 19990521
• US 14849899 P 19990812

Abstract (en)
[origin: WO0070983A1] Articles and products for preventing or minimizing temperature increases of a person or object (see the figure). The articles include a base material, and at least one temperature-stabilizing material integral with and dispersed throughout the base material. The temperature-stabilizing materials can be phase change materials and have phase change temperatures. Products can contain a plurality of articles and each article can have a phase change temperature the same as or different than those of other articles in the product. Products include footwear, protective apparel and the like.

IPC 1-7
A43B 13/38; A43B 7/02

IPC 8 full level
A43B 1/00 (2006.01); **A43B 7/00** (2006.01); **A43B 7/06** (2006.01); **A43B 7/14** (2006.01); **A43B 7/32** (2006.01); **A43B 7/34** (2006.01); **A43B 13/04** (2006.01); **A43B 17/00** (2006.01); **A43B 23/02** (2006.01)

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A43B 1/00 (2013.01); **A43B 7/00** (2013.01); **A43B 7/06** (2013.01); **A43B 7/34** (2013.01); **A43B 13/04** (2013.01)

Citation (search report)
• [X] US 5637389 A 19970610 - COLVIN DAVID P [US], et al
• [X] WO 9402257 A2 19940203 - BUCKLEY THERESA M [US]
• [X] WO 9534609 A1 19951221 - GATEWAY TECHNOLOGY [US], et al
• [X] US 5827459 A 19981027 - ALLEN BERNIE [US], et al
• [A] US 4856294 A 19890815 - SCARINGE ROBERT P [US], et al
• [A] US 5542196 A 19960806 - KANTRO SCOTT [US]
• [A] US 5784811 A 19980728 - MAUCH WALTER [DE]
• See references of WO 0070983A1

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RU175249U1; US10736789B2

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
WO 0070983 A1 20001130; AU 5036400 A 20001212; DE 60032899 D1 20070222; DE 60032899 T2 20071025; EP 1196053 A1 20020417; EP 1196053 A4 20030108; EP 1196053 B1 20070110; JP 2003500088 A 20030107; JP 4741736 B2 20110810

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