

Title (en)

GARMENT WITH REGIONALLY VARIED EVAPORATIVE COOLING PROPERTIES

Title (de)

KLEIDUNG MIT REGIONAL UNTERSCHIEDLICHEN VERDUNSTUNGSKÜHLUNGSEIGENSCHAFTEN

Title (fr)

VÊTEMENT AVEC DIVERSES PROPRIÉTÉS LOCALISÉES DE REFROIDISSEMENT PAR ÉVAPORATION

Publication

EP 2317883 A2 20110511 (EN)

Application

EP 09800855 A 20090720

Priority

- US 2009051182 W 20090720
- US 17690608 A 20080721

Abstract (en)

[origin: US2010011489A1] A garment, such as a shirt, shorts, socks, or a hat, is disclosed for efficiently cooling an individual by water evaporation, thereby reducing perspiration, dehydration, loss of electrolytes, and discomfort. The garment includes at least one property that is intentionally non-uniform, so as to concentrate and retain applied water in areas where enhanced cooling is desired. Variable properties include structure, density, composition, texture, type and/or quantity of additive substances, included fabric layers, and degree of contact with a user's body. A source of water can be included, for example in an attachable container. The container can be compressed, water can be pumped, or compressed air can push water from the container. A pump can be actuated by hand or by natural movements of a user. A drinking port can be included, and a pouch can hold a removable, water-absorbing and water-releasing insert that can be pre-wetted and/or pre-cooled.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2010011614A2

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DOCDB simple family (application)

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