

Title (en)
COOLING CLOTHES

Title (de)
KÜHLKLEIDUNG

Title (fr)
VETEMENTS RAFRAICHISSANTS

Publication
EP 1649765 A1 20060426 (EN)

Application
EP 04771019 A 20040729

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Abstract (en)
The present invention aims at providing a cooling suit having a simple structure and capable of assuredly vaporizing a large amount of perspiration. To this end, there is provided a cooling suit to be worn on a wearer, comprising: an air inlet 2a configured to introduce outside air; parallel airstream generation means 3 for introducing the outside air through the air inlet to generate parallel airstreams which are substantially parallel to the wearer's body; a guide sheet simultaneously serving as a garment 2 and for guiding the parallel airstreams generated by the parallel airstream generation means, parallelly to the wearer's body; an air exit portion configured to discharge the parallel airstreams to the exterior; and electric-power source means for supplying electric power to the parallel airstream generation means; wherein the parallel airstream generation means cooperatively blows air of a total amount of about 5m³/H to 500m³/H into between the guide sheet and an undergarment or wearer's body to cause positive pressures between the guide sheet and the undergarment or wearer's body to thereby produce an air flow space therebetween, and the parallel airstream generation means causes the blown air to flow through the air flow space to thereby discharge moisture due to perspiration to the exterior and to thereby constantly feed fresh outside air into the air flow space, thereby largely intensifying conditions where perspiration can be evaporated.

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