

Title (en)
Thermal protection clothing

Title (de)
Hitze-Schutzbekleidung

Title (fr)
Vêtement de protection thermique

Publication
EP 1473059 A3 20060705 (EN)

Application
EP 04252461 A 20040428

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Abstract (en)
[origin: EP1473059A2] The present invention relates to a thermal protection garment (1) for cooling a wearer exposed to high temperatures. The garment has a first outer layer (2) of heat resistant material, a second inner layer (4) of breathable material, and a separator layer (6) between the outer layer and the inner layer spacing them apart. The separator layer is formed and arranged so as to define a plurality of air channels (26), between the outer and inner layer, which are in vapour-transmitting communication with the inner layer. The air channels each have at least one wall portion of a flexible material readily and reversibly deformable as a result of activity by a wearer, whereby humid air in the channels is pumped through exhaust vents (40). A multi-layer garment material assembly suitable for fabricating thermal protection garments is also described.

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CPC (source: EP)
A62B 17/003 (2013.01); **A62B 17/005** (2013.01)

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