

Title (en)
PROTECTIVE GARMENT

Title (de)
SCHUTZBEKLEIDUNG

Title (fr)
VETEMENT DE PROTECTION

Publication
EP 0942662 A1 19990922 (EN)

Application
EP 97912379 A 19971118

Priority
• GB 9703163 W 19971118
• GB 9623816 A 19961118
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Abstract (en)
[origin: WO9821989A1] An immersion suit (10) is largely formed from a plurality of panels. Each panel has an outer layer (41) that is fire- or flame-resistant and an inner layer (42) which provides water vapour permeability and which is substantially impermeable to water when immersed in water. The inner and outer layers (41, 42) of each panel are unconnected in a substantial continuous area of each panel. In use, the inner layers (42) prevent entry of water into the suit when the suit is worn by a wearer immersed in water. The outer layers (41) protect the inner layers (42) when the suit is worn during exposure to a flash fire. In this way, if the wearer subsequently becomes immersed in water, the inner layers (42) are still able to prevent entry of water into the suit. As the inner and outer layers (41, 42) are largely unconnected (and not bonded together), this helps to maximise the water vapour permeability of the suit (10) and helps to reduce conduction of heat between the two layers (41, 41). Additionally, attachments to the suit such as pockets can be stitched to the outer layer (41) only. As the inner layers (42) are not penetrated by this stitching, sealing of the inner layers (42) in the vicinity of the stitching is not necessary.

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IPC 8 full level
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