

Title (en)
AIR-CONDITIONED GARMENT

Title (de)
KLIMATISIERTES KLEIDUNGSSTÜCK

Title (fr)
VETEMENT VENTILE

Publication
EP 1698242 A4 20080618 (EN)

Application
EP 03786314 A 20031225

Priority
JP 0316741 W 20031225

Abstract (en)
[origin: EP1698242A1] It is an object of the present invention to provide an air-conditioning garment capable of expanding a range in which a physiological cooler function originally included in a human body is effectively exercised, with a small power consumption in accordance with an individual difference or an intended use of a wearer. This air-conditioning garment is provided with a clothing material portion 20 which guides air along a surface of a body in a space between itself and the body, three air circulating portions 40, 40 and 40 which take air flowing in the space between the clothing material portion 20 and the body to the outside, two air sending means 50 and 50 for forcibly generating a flow of air in the space between the clothing material portion 20 and the body, and power supplying means 61 for supplying power to the air sending means 50 and 50. The air sending means 50 and 50 take outside air into the clothing material portion 20, and generate air flowing with a flow quantity of 6 liters/second. As a result, the air-conditioning garment can rapidly vaporize sweat, and hence the range in which the physiological cooler function originally included in a human body is effectively exercised can be expanded, thereby demonstrating a sufficient cooling effect.

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CPC (source: EP US)
A41D 13/0025 (2013.01 - EP US); **A41D 31/145** (2019.01 - EP US)

Citation (search report)

- [E] EP 1552759 A1 20050713 - SEFT DEV LAB CO LTD [JP]
- [A] EP 0490347 A1 19920617 - FIMAC SPA [IT]
- [A] EP 1142515 A1 20011010 - SEFT DEV LAB CO LTD [JP]
- See references of WO 2005063065A1

Cited by
EP4035549A4; EP4035547A4; GB2458604A; GB2458604B; WO2008046787A1; WO2022146599A1; US11980237B2; US8082596B2; US11896064B2; WO2008074440A3

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