

Title (en)
Personal cooling apparatus

Title (de)
Körperkühlvorrichtung

Title (fr)
Appareil de refroidissement personnel

Publication
EP 2510816 A3 20150422 (EN)

Application
EP 12164308 A 20120416

Priority
US 201113087160 A 20110414

Abstract (en)
[origin: EP2510816A2] A wearable personal cooling apparatus includes an outer layer (201), which comprises fabric proportioned and configured to closely envelop a human torso, a primary air plenum (204) proximate the outer layer (201), and an inner layer (202) proximate the outer layer (201) and in communication with the primary air plenum (204). The inner layer is configured to distribute air from the primary air plenum (204) throughout an inner surface of the inner layer. A secondary air plenum (210) is arranged within the inner layer and in communication with the primary air plenum (204). The secondary air plenum (210) comprises a first end proximate the primary air plenum (204) and a second end, and is configured to direct air from the first end to the second end.

IPC 8 full level
A41D 13/005 (2006.01)

CPC (source: EP US)
A41D 13/0053 (2013.01 - EP US)

Citation (search report)

- [X] US 2010242147 A1 20100930 - POHR SEBASTIAN HEINZ [DE], et al
- [X] US 2001000849 A1 20010510 - SIMAN-TOV MOSHE [US], et al
- [X] US 2006174392 A1 20060810 - FARNWORTH BRIAN [CA], et al
- [X] US 2005172655 A1 20050811 - NAAMAN CHIBBI [IL]
- [A] EP 0490347 A1 19920617 - FIMAC SPA [IT]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2510816 A2 20121017; EP 2510816 A3 20150422; EP 2510816 B1 20160914; US 2012260398 A1 20121018

DOCDB simple family (application)
EP 12164308 A 20120416; US 201113087160 A 20110414