

Title (en)

METHOD AND APPARATUS FOR TEMPERATURE TREATMENT OF A BODY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TEMPERATURBEHANDLUNG EINES KÖRPERS

Title (fr)

PROCÉDÉ ET APPAREIL POUR LE TRAITEMENT DE LA TEMPÉRATURE D'UN CORPS

Publication

EP 3148489 A1 20170405 (EN)

Application

EP 14827231 A 20141224

Priority

- EP 14170454 A 20140529
- EP 2014079312 W 20141224

Abstract (en)

[origin: WO2015180804A1] Apparatus (100) comprising: - an active cooling system (200) and an active heating system (500) influencing the temperature of the fluid (F) of a fluid system (111), - a controller (300) for operating said cooling system (200) and heating system (500), and - at least one pad (400) being connectable to said fluid system (111) so that the fluid (F) can be caused to flow through said pad (400), wherein the controller (300) is implemented or programmed to execute a pre-defined modulation scheme, said modulation scheme comprising a cooling phase during which the cooling system (200) is operated in order to reduce the temperature of the fluid (F) and a heating phase during which the heating system (500) is operated in order to increase the temperature of the fluid (F), and wherein the controller (300) keeps the temperature range of the pad (400) between 5°C and 42°C and preferably between 8°C and 38°C.

IPC 8 full level

A61F 7/02 (2006.01); **A61F 7/00** (2006.01); **A61F 7/08** (2006.01)

CPC (source: EP)

A61F 7/02 (2013.01); **A61F 2007/0054** (2013.01); **A61F 2007/0086** (2013.01); **A61F 2007/0093** (2013.01); **A61F 2007/0284** (2013.01); **A61F 2007/0285** (2013.01); **A61F 2007/029** (2013.01); **A61F 2007/0296** (2013.01)

Citation (examination)

- US 2013310907 A1 20131121 - ROGERS LESCO L [US], et al
- EP 0928175 A1 19990714 - KOLEN PAUL T [US], et al
- WO 2013190336 A2 20131227 - PHYSIOLAB TECHNOLOGIES LTD [GB]
- US 6071254 A 20000606 - AUGUSTINE SCOTT D [US]
- WO 2013102051 A1 20130704 - UNIV TEXAS [US], et al
- See also references of WO 2015180804A1

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)

WO 2015180804 A1 20151203; EP 3148489 A1 20170405

DOCDB simple family (application)

EP 2014079312 W 20141224; EP 14827231 A 20141224