

Title (en)

SMART HEATING CLOTHES, SYSTEM AND METHOD FOR CONTROLLING HEATING THEREOF

Title (de)

INTELLIGENTE ERWÄRMUNGSKLEIDUNG, SYSTEM UND VERFAHREN ZUR STEUERUNG DER HEIZUNG DAVON

Title (fr)

VÊTEMENTS CHAUFFANTS INTELLIGENTS, SYSTÈME ET PROCÉDÉ POUR COMMANDER LE CHAUFFAGE DE CEUX-CI

Publication

EP 3068189 A1 20160914 (EN)

Application

EP 16151899 A 20160119

Priority

KR 20150034626 A 20150312

Abstract (en)

Disclosed are smart heating clothes, a system and a method for controlling heating thereof. The smart heating clothes includes: a clothing member; a heating unit including a heating electrically conductive yarn pattern and installed at the clothing member to generate heat; and a heating control device for switching supply of power to the heating unit according to a control signal received from a user terminal through near field wireless communication to control internal temperature and humidity of clothes. The heating control device includes: a power supply unit configured to supply the power to the heating electrically conductive yarn pattern; a switch unit configured to switch the power supply of the power supply unit; a measuring unit configured to measure the internal temperature and humidity of the clothes; a communication unit configured to perform data transmission/reception between the user terminal and the heating control device; and a control unit configured to receive the control signal from the user terminal through the communication unit to control the switch unit, and to control to transmit temperature and humidity information received from the measuring unit to the user terminal through the communication unit.

IPC 8 full level

H05B 3/34 (2006.01); **A41D 13/005** (2006.01)

CPC (source: CN EP KR)

A41D 13/0051 (2013.01 - EP KR); **H05B 1/0272** (2013.01 - CN); **H05B 3/342** (2013.01 - CN EP); **H05B 2203/036** (2013.01 - EP)

Citation (applicant)

US 6727467 B1 20040427 - HADZIZUKIC OGDEN [CA], et al

Citation (search report)

- [X1] US 2014180624 A1 20140626 - NIKONOV DMITRI E [US], et al
- [X1] CN 204169106 U 20150225 - YU HUANGKUN

Cited by

PL422381A1; EP3560418A1; US12076543B2; WO2018214088A1; WO2019046270A1

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 3068189 A1 20160914; CN 105979616 A 20160928; KR 20160110798 A 20160922

DOCDB simple family (application)

EP 16151899 A 20160119; CN 201610051629 A 20160125; KR 20150034626 A 20150312