

SAFIT SMART HEATING VEST

CEO : EUN JEONG JANG

JANG EUN FnC CO.,LTD.

1 | PRODUCT MAIN FUNCTION

◉ SAFIT SMART HEATING VEST WITH HEATING PAD USING BLUETOOTH FUNCTION

SMART HEATING VEST

- * Functional fashion-fusion product featuring a radiant heat-generating carbon surface heating pad
- * Temperature control system using stable components and Bluetooth connectivity, with washable heating and temperature regulation functionality
- * Woven pressed fabric filled with DOWN-LIKE WELLON, an eco-friendly insulating material
- * Heating pad is detachable for water washing; temperature can be adjusted via a smartphone application
- * For industrial safety, the wearer's location can be tracked through a Bluetooth-linked application in case of emergency on-site or outdoors

FRONT



BACK



1 | PRODUCT MAIN FUNCTION

○ DETAILS



[Heating Pad + Controller + Supplementary Battery]



[Back Heating Pad]



[Supplementary Battery]



[Temperature Control Controller]

1 | PRODUCT MAIN FUNCTION

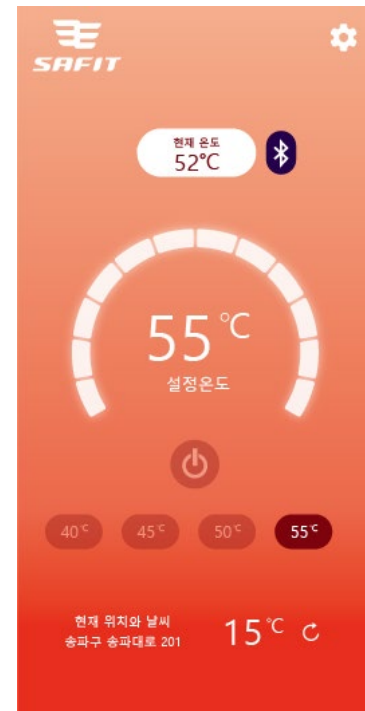
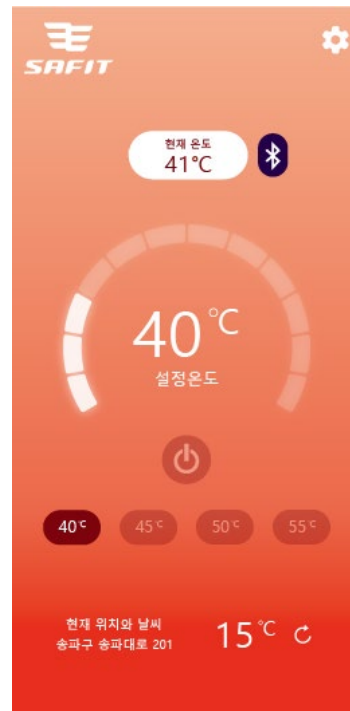
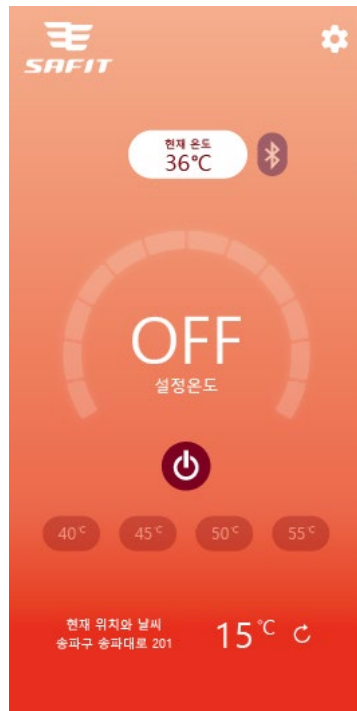
SAFIT

SAFIT SMART HEATING VEST APPLICATION



Application for Korea

-> Can be produced in other languages



[Smart App]

2 CORE TECHNOLOGY CAPABILITIES

SAFIT

CORE RETENTION TECHNOLOGY



Heating Pad Carbon Fiber Felt Type	USB Module Temperature Control with Bluetooth Smartphone	IoT-based temperature control solution optimized for smart clothing
Authentication of Electromagnetic	KC Safety Confirmation	Wireless communication authentication
GENERATION	GEN 3-4	GEN 1-2
BATTERY CAPACITY	10,000mah	2,500mah
VOLTAGE	5v	7.4v
TYPE OF BATTERY	Lithium-polymer	Lithium-ion
COMPATIBILITY	Rechargeable smartphone	Dedicated
TIME OF USE (40°C CRITERIA)	High (LV. 4) - 10 hours, Middle (LV. 2~3) - 15 hours, Low (LV. 1) - 18 hours	6 hours

Technology

Smart Temperature	Radioactivity -Free	No Risk of Electric Shock	Shorten Heating Time	Supplementary Battery	Extension of Time	Lightness	Washable	Recycle Material

INTELLECTUAL PROPERTY RIGHTS

Patent/Program Application/Registration Performance

NO.	Patent/Program Name	Country Name	Filing / Registration Date	Application / Patent Number	Note
1	Smart Heating Vest Registration of A Patent	Republic of Korea	2022.1.4	No. 10-2349535	Registration
2	IOT-based Smart Heating Wear Patent Application	Republic of Korea	2020.12.15	10-2020-0175860	Filing
3	IOT-based Smart Heating Wear PCT Application	Overseas	2020.12.15	PCT/KR2020/018635	Filing
4	Registration of A Utility Model For Heating Vest	Republic of Korea	2019.8.21	20-2019-0003461	Registration
5	Smart Heating Vest Design Registration	Republic of Korea	2021.4.21	No. 30-1106329	Registration
6	Heating Vest Design Registration	Republic of Korea	2019.10.31	No. 30-1030929	Registration
7	Smart Heating Vest Design Registration Application	Republic of Korea	2020.12.16	30-2020-0062693	Filing

Award Performance Related To Design

Year	Award Details	Host Institution	Note
2021	Certificate of Good Design Selection 2021(Good Design Korea, GD)	Ministry of Trade, Industry and Energy	Korea Institute of Design Promotion

제 2021-043-194호

우수산업디자인상품선정증
Certificate of Good Design Selection 2021

새피트 스마트 워밍 베스트
(SAFIT SMART HEATING VEST)

Number: G2021E01_00008
Brand: 새피트 (SAFIT)
Company: (주)삼한테크비즈니스 (JANG EUN FNC CO.,LTD.)
Designer: 정문원 (JANG EUN JEONG)



특 상품인 「산업디자인진흥법」 제10조 제1항 및 같은 법 시행규칙 제2조에 따라 우수산업디자인상품으로 선정되었음을 증명합니다.

This is to certify that the above product is selected as a Good Design Selection by virtue of provisions in Article 6, 1 of Industrial Design Promotion Act.

October 6, 2021



KIDP 한국디자인진흥원



확인서 Certificate of Confirmation

우수산업디자인상품선정증



위 상품은 「산업디자인진흥법」 제10조 제1항 및 같은 법 시행규칙 제2조에 따라 우수산업디자인상품으로 선정되었음을 증명합니다.

KIDP 한국디자인진흥원 원장 윤주현

KIDP, Artipon President & CEO, Korea Institute of Design Promotion