

Title (en)  
REFRIGERATED DISPLAY UNIT AND REFRIGERATED AIR FLOW DISTRIBUTION SYSTEM

Title (de)  
GEKÜHLTE ANZEIGEEINHEIT UND GEKÜHLTES LUFTSTRÖMUNGSVERTEILUNGSSYSTEM

Title (fr)  
UNITÉ D'AFFICHAGE RÉFRIGÉRÉE ET SYSTÈME DE DISTRIBUTION DE FLUX D'AIR RÉFRIGÉRÉ

Publication  
**EP 3412996 B1 20210714 (EN)**

Application  
**EP 18175915 A 20180605**

Priority  
IT 201700063123 A 20170608

Abstract (en)  
[origin: EP3412996A1] Refrigerated display unit (10) comprising: - at least one refrigerating machine; - at least one refrigerated volume (12); - at least one technical volume configured for containing an air treatment unit operatively connected to the refrigerating machine, said air treatment unit comprising at least one heat exchange battery (16), by means of which a cooling fluid and a carrier fluid exchange heat, and a plurality of fans (18) placed at the inlet surface (16A) of said heat exchange battery (16); - one or more doors or walls (20) isolating the refrigerated volume (12) from the external environment; and - one or more ducts (22) of an air flow system, placed in fluid connection with the heat exchange battery (16) and configured for conveying the refrigerated carrier fluid, towards the refrigerated volume (12), wherein each conduit (22) is provided with at least one outlet opening (24) placed in fluid communication with the refrigerated volume (12), such as to diffuse a flow of refrigerated carrier fluid, inside such refrigerated volume (12).

IPC 8 full level  
**F25D 17/06** (2006.01); **A47F 3/04** (2006.01)

CPC (source: BR EP RU US)  
**A47F 3/04** (2013.01 - RU); **A47F 3/0408** (2013.01 - BR EP US); **A47F 3/0443** (2013.01 - BR); **A47F 3/0486** (2013.01 - BR); **F25D 17/06** (2013.01 - EP US); **A47F 3/0443** (2013.01 - EP US); **A47F 3/0486** (2013.01 - US); **F25D 2317/063** (2013.01 - EP US)

Citation (examination)  
US 4478047 A 19841023 - IBRAHIM FAYEZ F [US]

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

DOCDB simple family (publication)  
**EP 3412996 A1 20181212; EP 3412996 B1 20210714**; AU 2018204034 A1 20190103; AU 2018204034 B2 20240208; BR 102018011374 A2 20190326; CA 3007237 A1 20181208; DK 3412996 T3 20211018; ES 2894271 T3 20220214; IT 201700063123 A1 20181208; LT 3412996 T 20220110; PL 3412996 T3 20220207; PT 3412996 T 20211019; RU 2018120698 A 20191205; RU 2018120698 A3 20210920; RU 2759646 C2 20211116; US 2018352973 A1 20181213

DOCDB simple family (application)  
**EP 18175915 A 20180605**; AU 2018204034 A 20180607; BR 102018011374 A 20180605; CA 3007237 A 20180604; DK 18175915 T 20180605; ES 18175915 T 20180605; IT 201700063123 A 20170608; LT 18175915 T 20180605; PL 18175915 T 20180605; PT 18175915 T 20180605; RU 2018120698 A 20180605; US 201816002627 A 20180607