

Title (en)
MULTI-SPEED AIR-FLOW AIR CONDITIONING SYSTEM

Title (de)
KLIMAANLAGE MIT LUFTSTROM MIT MEHREREN GESCHWINDIGKEITEN

Title (fr)
SYSTÈME DE CLIMATISATION À FLUX D'AIR À PLUSIEURS VITESSES

Publication
EP 4111103 A4 20240327 (EN)

Application
EP 21759698 A 20210222

Priority
• IL 27296720 A 20200227
• IL 2021050203 W 20210222

Abstract (en)
[origin: WO2021171288A1] A multi-speed air-flow air conditioning system comprises an indoor unit configured with a blower fan, a heat exchanger, and a duct through which air directed from said blower fan and across said heat exchanger is discharged into a room to be conditioned, wherein an adjustable damper for regulating flow of air is fitted within an interior of said duct, and wherein operation of a controllable multi-speed component of the air conditioning system is automatically regulated in response to a degree of opening of said damper.

IPC 8 full level
F24F 13/10 (2006.01); **F24F 1/028** (2019.01); **F24F 110/10** (2018.01)

CPC (source: EP IL)
F24F 1/028 (2019.02 - IL); **F24F 11/74** (2018.01 - EP); **F24F 11/77** (2018.01 - EP); **F24F 13/10** (2013.01 - IL); **F24F 13/10** (2013.01 - EP); **F24F 2110/10** (2018.01 - EP); **F24F 2140/40** (2018.01 - EP); **Y02B 30/70** (2013.01 - EP)

Citation (search report)
• [X] EP 3067635 A1 20160914 - MITSUBISHI ELECTRIC CORP [JP]
• [X] KR 100797163 B1 20080123
• [X] CN 108895624 A 20181127 - HISENSE SHANDONG AIRCO CO LTD
• [X] KR 20180071033 A 20180627 - LG ELECTRONICS INC [KR]
• See also references of WO 2021171288A1

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)
WO 2021171288 A1 20210902; EP 4111103 A1 20230104; EP 4111103 A4 20240327; IL 272967 A 20210831; IL 272967 B1 20230101

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IL 2021050203 W 20210222; EP 21759698 A 20210222; IL 27296720 A 20200227