

Title (en)

METHOD AND COMPUTER PROGRAM PRODUCT FOR SELECTING VENTILATION DEVICES

Title (de)

VERFAHREN UND COMPUTERPROGRAMMPRODUKT ZUR AUSWAHL VON BELÜFTUNGSGERÄTEN

Title (fr)

PROCEDE ET PRODUIT DU PROGRAMME INFORMATIQUE POUR SELECTIONNER DES DISPOSITIFS DE VENTILATION

Publication

EP 3832223 C0 20231220 (EN)

Application

EP 20210160 A 20201127

Priority

FI 20196051 A 20191203

Abstract (en)

[origin: EP3832223A1] In a method for selecting ventilation devices to a ventilation system a first subgroup (10) of possible ventilation devices is chosen based on the total supply air need and/or extract air need of the space and an acceptable noise level $L_{sub>pA1</sub>}$ of the space is selected. The location and air throw pattern for at least one first ventilation device is/are determined, an estimated noise level $L_{sub>pA,est</sub>}$ produced by a ventilation device in the space is calculated and at least one first ventilation device to the ventilation system is chosen from those ventilation devices of the first subgroup, which produce an acceptable estimated noise level $L_{sub>pA, est</sub>}$. In the method at least one noise evaluation point inside an air throw pattern of the at least first ventilation device is/are determined and the estimated noise level $L_{sub>pA,est</sub>}$ produced by a ventilation device is calculated in said noise evaluation point.

IPC 8 full level

F24F 13/24 (2006.01); **F24F 3/052** (2006.01); **F24F 7/08** (2006.01); **F24F 11/00** (2018.01); **F24F 11/48** (2018.01); **G06Q 50/08** (2012.01)

CPC (source: EP FI)

F24F 3/00 (2013.01 - FI); **F24F 11/0001** (2013.01 - EP); **F24F 11/48** (2018.01 - EP); **F24F 13/24** (2013.01 - EP FI); **F24F 3/052** (2013.01 - EP); **F24F 7/08** (2013.01 - EP)

Cited by

EP4276373A1; EP4160106A1

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

Participating member state (EPC – UP)

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