

Title (en)

DEVICE AND METHOD FOR MEASURING THE AIR PERMEABILITY OF A BUILDING

Title (de)

VORRICHTUNG UND VERFAHREN ZUR MESSUNG DER LUFTDURCHLÄSSIGKEIT EINES GEBÄUDES

Title (fr)

DISPOSITIF ET PROCÉDÉ DE MESURE DE LA PERMÉABILITÉ A L'AIR D'UN BÂTIMENT

Publication

**EP 2643641 A1 20131002 (FR)**

Application

**EP 11802498 A 20111122**

Priority

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- FR 1059648 A 20101123
- FR 2011052731 W 20111122

Abstract (en)

[origin: WO2012069761A1] This device comprises: - an airtight duct (2), open at both its ends, - a motorized fan (3), an air induction member (33) of which is positioned in the duct (2) with its axis of rotation (X3) substantially parallel to the longitudinal axis (X2) of the duct, - means (7, 8, 9) for measuring the pressure differential (??) between the inside of the part of the building and the outside of the building, - an adjustable shut-off member (43) for shutting off the duct (2), which member is capable of locally varying the bore section for air through the duct, this shut-off member (43) being continuously adjustable between a configuration (P1) of minimal shutting-off of the duct and a configuration (P2) in which the duct is completely shut off, - means (5) for determining the degree to which the duct (2) has been shut off by the shut-off member (43) for a reference pressure differential (??G) and means for determining from this degree of shutting-off, either the corresponding air flow rate through the duct (2) or a parameter (Q4Pa\_surf, n5o) representative of the air permeability.

IPC 8 full level

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Citation (search report)

See references of WO 2012069761A1

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