

Title (en)

EXTRACTION FAN ASSEMBLY INCLUDING A DAMPER THAT CLOSES FIRMLY WHEN THE FAN IS NOT RUNNING AND REDUCES THE PRESSURE DROP WHEN THE FAN IS RUNNING AT FULL SPEED

Title (de)

EXTRAKTIONSLÜFTERANORDNUNG MIT EINEM FEST VERSCHLIESSENDEN DÄMPFER BEI VENTILATORSTILLSTAND UND DRUCKABFALLMINDERUNG BEI VENTILATORBETRIEB MIT VOLLER GESCHWINDIGKEIT

Title (fr)

ENSEMBLE DE VENTILATEUR DE TIRAGE COMPORTANT UN AMORTISSEUR QUI ASSURE UNE FERMETURE HERMÉTIQUE LORSQUE LE VENTILATEUR N'EST PAS EN FONCTIONNEMENT ET RÉDUIT LA CHUTE DE PRESSION LORSQUE LE VENTILATEUR FONCTIONNE À PLEIN RÉGIME

Publication

EP 2652413 A1 20131023 (EN)

Application

EP 11847989 A 20111207

Priority

- CA 2725245 A 20101213
- CA 2737208 A 20110412
- CA 2748452 A 20110729
- CA 2011050752 W 20111207

Abstract (en)

[origin: CA2748452A1] An extraction fan has a housing mounted in a wall with an outlet duct extending through the wall to an outlet opening outside the wall. A damper flap is mounted on the fan suspended by a hinge at an upper edge so as to extend in a closed position across the opening and is movable to an open position under forward air flow from the fan, and tightly closes against a resilient deformable seal when the fan is shut off. A spring biasing cam applies inwards force to the damper flap to bias the damper flap into the closed position, and an outwards force also to bias the damper flap into the fully open position. The mounting plate includes a hood having a top wall extending over the top of the damper flap and a down-turned front flange extending parallel to the damper flap to a bottom edge.

IPC 8 full level

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CPC (source: EP)

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See references of WO 2012079167A1

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