

Title (en)  
CROSS-FLOW FAN, FAN COIL COMPRISING SAID FAN AND PROCESS FOR SETTING UP SAID FAN COIL

Title (de)  
QUERSTROMLÜFTER, GEBLÄSEKONVEKTOR MIT DIESEM LÜFTER UND VERFAHREN ZUR EINRICHTUNG DES GEBLÄSEKONVEKTORS

Title (fr)  
VENTILATEUR À FLUX TRANSVERSAL, VENTILLO-CONVECTEUR COMPRENANT LEDIT VENTILATEUR ET PROCÉDÉ DE RÉGLAGE DUDIT VENTILLO-CONVECTEUR

Publication  
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Application  
**EP 23188586 A 20230731**

Priority  
IT 202200016374 A 20220802

Abstract (en)  
The fan (1) according to the invention comprises a casing (3) and an impeller (5) of the cross-flow type. The casing (3) forms a stabilising cavity (50) which forms a space between a zone of the flanks of the impeller (50) and a zone of the casing (3) and is configured for accommodating and guiding the main vortex (VPR) outside the impeller (5). The stabilising cavity (30) extends over an angular range, measured with respect to the centre or axis of rotation (ARG) of the impeller, comprised between -70° and +50° with respect to the reference line or plane of the angles (RFA). The reference line or plane of the angles (RFA) is respectively a line or plane passing through the centre or axis (ARG) of rotation of the impeller (5) and substantially perpendicular to the average direction (DCROSS) of the air flow that crosses the left half of the impeller (5). The noisiness of the fan is reduced, and the performance of the fan increases.

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Citation (applicant)  

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Citation (search report)  

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