

Title (en)

AIR CHANNEL ASSEMBLY AND AIR CONDITIONING DEVICE HAVING SAME

Title (de)

LUFTKANALANORDNUNG UND KLIMAANLAGE DAMIT

Title (fr)

ENSEMBLE CANAL D'AIR ET DISPOSITIF DE CLIMATISATION PRÉSENTANT CE DERNIER

Publication

EP 4365498 A1 20240508 (EN)

Application

EP 23745817 A 20230104

Priority

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Abstract (en)

An air channel assembly and an air conditioning device (100) having same. The air channel assembly comprises an upstream air channel part (1) and a cross-flow air channel part (2); the air channel assembly has an air supplement path (3); an air inlet (31) of the air supplement path (3) is located in an air outlet section (212) and is in communication with a region of a cross-flow air channel (23) located downstream of a fan mounting cavity (231); an air outlet (32) of the air supplement path (3) is provided between a volute tongue section (211) and the upstream air channel part (1), and the air outlet is open towards the outside of the cross-flow air channel (23) and is in communication with the upstream air channel (11). The air channel assembly can effectively improve the air intake efficiency of the cross-flow air channel (23), improve the air flow performance in the cross-flow air channel (23), improve the pressure resistance of the cross-flow air channel (23), and improve the air volume of the cross-flow air channel (23).

IPC 8 full level

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