

Title (en)
ACTIVE FLOW TRANSFER ARRANGEMENT

Title (de)
AKTIVE ÜBERSTRÖMANORDNUNG

Title (fr)
SYSTÈME DE DÉBORDEMENT ACTIF

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EP 14722713 A 20140307

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Abstract (en)
[origin: WO2014135960A1] The invention relates to an active flow transfer arrangement for generating an exchange of air between two rooms that are separated from one another by a dividing wall. The arrangement has the following: a dividing wall section (1) which is provided with at least one passage hole (2) which extends from a first wall opening (2a) on the first side of the dividing wall section to a second wall opening (2b) on the second side of the dividing wall section; a fan (3) arranged in the at least one passage hole (2); at least one silencer unit (4, 5) which is arranged so as to lie sealingly against the first wall opening (2a) and/or against the second wall opening (2b) such that a flow transfer duct for air is provided between the two rooms, which flow transfer duct is formed through the at least one silencer unit (4, 5) and through the at least one passage hole (2). The at least one silencer unit (4, 5) has a continuous air duct with a first duct section (4a, 5a), a diverting section (4b, 5b) and a second duct section (4c, 5c), wherein the first duct section extends substantially parallel to the plane of the dividing wall from a wall opening to the diverting section, and the second duct section extends substantially parallel to the plane of the dividing wall, or substantially perpendicular to the plane of the dividing wall, from the diverting section to a room-side outlet opening of the at least one silencer unit.

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Citation (search report)
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Cited by
US2021140442A1; US11434916B2

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