

Title (en)
Ventilating apparatus

Title (de)
Belüftungsvorrichtung

Title (fr)
Appareil de ventilation

Publication
EP 0699875 B1 20011107 (EN)

Application
EP 95850148 A 19950829

Priority
SE 9402964 A 19940905

Abstract (en)
[origin: EP0699875A2] A ventilation apparatus for ventilation and temperature control in accommodations, e.g. in vessels, comprising an inlet which is connected to a ventilation channel and at least one outlet which is connected to said accommodation. Damper means (17) are located between the inlet and the outlet, for volume control of the air flow to the accommodation via at least two cooperating damper discs (19, 21). The discs are provided with flow passages (30, 32) the flow area of which are variable by rotating at least one of the damper discs (21) around a spindle (20). The damper means (17), heat production means (15) and sensors (27, 28) connected to the control unit (16), are located in a cylindrical channel section (10). Each flow passage (30, 32) in the damper means, form in every position of rotation a funnel which narrows gradually in the direction of flow, so that the damper means (17) in almost completely closed position presents slit-shaped flow openings with wall which converge in the direction of flow. One of the damper discs (19) is thin and located upstream another damper disc (21), and is also provided with a number of vanes (31) corresponding to the number of flow passages (32), which vanes project into the flow passages, to form one side in the flow passage with substantially the same length as the other sides. <MATH>

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