

Title (en)
LATTICED AIR OUTLET DEVICE

Publication
EP 0189888 A3 19880511 (DE)

Application
EP 86101069 A 19860127

Priority
CH 46485 A 19850201

Abstract (en)
[origin: EP0189888A2] The air outlet device (1) has in a rectangular air duct (10) horizontal and vertical air-conducting lamellae (5, 4) mounted pivotably on its shaft (22). The horizontal lamellae (5) are connected to a common drive which consists of a cylinder/piston unit (11). The cylinder (12) of this drive is connected to a closed tubular container (13) which is filled with a medium capable of flowing and which extends over a major part of the opening cross-section of the air duct (10). When the temperature of the air flowing through the device changes, the cylinder/piston unit, as a result of the expansion of this medium, displaces a drive plate (16), the rack-like toothing (24) of which engages in toothed wheels (23) which are fastened to the end of each horizontal lamella (5). The drive is built into the air outlet device (1) in a compact manner and so as to be immune to faults. The air outlet device makes possible automatic optimum adjustment of the lamellae (5) which determine the upward or downward flow of the air flowing out of the device (1). The inclination of the lamellae (5), which corresponds to a given air temperature, can be adjusted by hand by means of a tool. <IMAGE>

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IPC 8 full level
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CPC (source: EP)
F24F 11/76 (2017.12); **F24F 13/075** (2013.01); **F24F 13/15** (2013.01)

Citation (search report)

- [YD] DE 3204613 A1 19821007 - HESS & CIE PILGERSTEG [CH]
- [Y] US 3298298 A 19670117 - YOSHIKI IWATA
- [A] US 4254795 A 19810310 - MCNABNEY JOHN C
- [A] US 2117529 A 19380517 - WILE DANIEL D, et al
- [A] US 3210003 A 19651005 - DOUGLAS QUINTON REGINALD
- [A] DE 3002229 A1 19810730 - TEUFEL GMBH MASCHF [DE]

Cited by
ES2267346A1

Designated contracting state (EPC)
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EP 0189888 A2 19860806; **EP 0189888 A3 19880511**; **EP 0189888 B1 19910508**; AT E63383 T1 19910515; CH 666953 A5 19880831; DE 3679075 D1 19910613; DK 166843 B1 19930719; DK 166843 C 19930719; DK 49386 A 19860802; DK 49386 D0 19860131; FI 860452 A0 19860130; FI 860452 A 19860802; NO 166741 B 19910521; NO 166741 C 19910828; NO 860352 L 19860804

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