

Title (en)

Method to improve air circulation in a clean air cabine

Title (de)

Verfahren zur Optimierung der Luftführung in einer Reinluft-Kabine

Title (fr)

Méthode pour améliorer la circulation d'air dans une cabine d'air propre

Publication

**EP 0867665 A3 20000412 (DE)**

Application

**EP 98105609 A 19980327**

Priority

DE 19712975 A 19970327

Abstract (en)

[origin: EP0867665A2] The clean air cabin is equipped with a feed installation for additional clean air producing a clean air cushion directly over the work surface (10) of the work plate (9). The work plate is sieve-shaped. The area of the lower surface (11) of the work plate turned away from the work surface is formed as a trough component (8) sealed against the atmosphere and in it issues at lease one conduit (19,19') feeding clean air. In at least one edge area of the work plate at least one conduit feeding clean air is arranged, which in specific sections has outflow apertures, which steer the emerging clean air against a product on the work surface. In the area of the work plate on at least one clean air cabin wall at least one upwardly directed nozzle (33) is arranged.

IPC 1-7

**F24F 1/00**; **F24F 3/16**; **F24F 9/00**

IPC 8 full level

**B08B 15/02** (2006.01); **F24F 3/16** (2006.01); **F24F 9/00** (2006.01)

CPC (source: EP)

**B08B 15/023** (2013.01); **F24F 3/163** (2021.01); **F24F 9/00** (2013.01); **B08B 2215/003** (2013.01)

Citation (search report)

- [A] EP 0510637 A2 19921028 - FLAEKT OY [FI]
- [A] WO 9632613 A1 19961017 - UNIR [FR], et al
- [A] US 5316560 A 19940531 - KRONE-SCHMIDT WILFRIED [US], et al
- [A] DATABASE WPI Section PQ Week 8447, 9 January 1985 Derwent World Patents Index; Class Q, Page 74, AN 84292816, XP002130791

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EP2327484A1; FR2824000A1; FR2928718A1; FR3093443A1; US9266154B2; WO02087780A1

Designated contracting state (EPC)

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