

Title (en)
Indoor unit of an air conditioner

Title (de)
Innenraumeinheit für eine Klimaanlage

Title (fr)
Unité intérieure d'un dispositif de conditionnement d'air

Publication
EP 0769661 A3 20000223 (EN)

Application
EP 96116567 A 19961016

Priority
JP 26821095 A 19951017

Abstract (en)
[origin: EP0769661A2] An indoor unit of an air conditioner having a front frame 1 composing an outer cover, and an intake grille 2, attachable to the front frame, also composing the outer cover and being free for opening and closing. The front frame 1 is provided with a fixed arc rib 1a and 1b which is concentric with an imaginary center 3 of open/close rotating movement of the intake grille 2. The intake grille 2 is provided with rotary arc ribs 2a and 2b or a projection 2d, having a groove 2c, which is/are also concentric with the imaginary center 3, and engage(s) with the fixed rib 1a and 1b over the range of the open/close rotating movement. The present invention thus simplifies mold structure, improves strength and accuracy, and reduces restrictions in design to provide better quality and more inexpensive indoor unit. <IMAGE>

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F24F 1/02; **F24F 1/00**

IPC 8 full level
F24F 1/0071 (2019.01); **F24F 13/08** (2006.01); **F24F 13/20** (2006.01)

CPC (source: EP US)
F24F 1/0057 (2019.01 - EP); **F24F 1/0071** (2019.01 - EP US); **F24F 13/08** (2013.01 - EP); **F24F 13/084** (2013.01 - EP)

Citation (search report)

- [A] US 4333206 A 19820608 - LANG RICHARD D, et al
- [XA] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02 29 February 1996 (1996-02-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 013 (M - 1069) 11 January 1991 (1991-01-11)

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EP1950501A1; GR990100384A; US6460364B1

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