

Title (en)
A humidifier.

Title (de)
Befeuchter.

Title (fr)
Humidificateur.

Publication
EP 0661503 A3 19970219 (EN)

Application
EP 94309899 A 19941229

Priority
JP 7465593 U 19931229

Abstract (en)
[origin: EP0661503A2] Humidifying apparatus is provided which includes a hollow, envelope-like base made of a porous polymeric material (1), which material is both water vapor permeable and liquid-water-impermeable. The base component is superposed with an adjacent, corrugation-like, void forming sheet of material (2) to form a composite structure which is wound to a spiral configuration. The envelope base component and the corrugated void forming sheet are affixed together by means of a filament (3) wound about their external periphery. The apparatus includes means (4) for supplying liquid water into the hollow base envelope and supplying dry air into and through the voids of the void forming sheet (2), whereby humidification of the dry air passing therethrough is effected. The envelope component (1) is preferably made of porous, expanded polytetrafluoroethylene. <IMAGE>

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F24F 6/02

IPC 8 full level
F24F 6/02 (2006.01); **F24F 6/04** (2006.01)

CPC (source: EP)
F24F 6/02 (2013.01); **F24F 6/043** (2013.01); **F24F 2003/1435** (2013.01)

Citation (search report)

- [DA] JP S6214241 U 19870128
- [DA] PATENT ABSTRACTS OF JAPAN vol. 010, no. 385 (M - 548) 24 December 1986 (1986-12-24)
- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 086 (M - 572) 17 March 1987 (1987-03-17)
- [A] DATABASE WPI Section Ch Week 8615, Derwent World Patents Index; Class J08, AN 86-099008, XP002019593

Cited by
NL1026096C2; DE19910441C1; EP1536185A4; US6474628B1

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