

Title (en)

Fan

Title (de)

Ventilator

Title (fr)

Ventilateur

Publication

**EP 1167776 A3 20021023 (DE)**

Application

**EP 01114758 A 20010625**

Priority

DE 10031725 A 20000629

Abstract (en)

[origin: EP1167776A2] A heater (15) occupies at least one part of the blades (13), to heat the flow.

IPC 1-7

**F04D 29/58**; F04D 29/38; F04D 29/30; F04D 25/08; F24H 3/04

IPC 8 full level

**F04D 29/30** (2006.01); **F04D 29/38** (2006.01); **F04D 29/58** (2006.01); **F24H 3/04** (2006.01)

CPC (source: EP)

**F04D 29/30** (2013.01); **F04D 29/388** (2013.01); **F04D 29/582** (2013.01); **F24H 3/0411** (2013.01)

Citation (search report)

- [X] EP 0964211 A2 19991215 - ELETTRICOMPONENTI S R L [IT], et al
- [X] WO 9949700 A2 19990930 - THERMO & BULL [US]
- [X] CH 216491 A 19410831 - WALDER PAUL [IT], et al
- [X] DE 3303979 A1 19830908 - ELEKTROGERAETE INGBUERO VEB [DD]
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- [X] US 1737912 A 19291203 - BOGARD FRANK T

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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1167776 A2 20020102**; **EP 1167776 A3 20021023**; DE 10031725 A1 20020110

DOCDB simple family (application)

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