

Title (en)  
RADIAL FAN

Publication  
**EP 0261490 B1 19900321 (DE)**

Application  
**EP 87113062 A 19870907**

Priority  
DE 3631942 A 19860919

Abstract (en)  
[origin: US4746266A] In a radial blower with two blower wheels (2, 3) fastened axially in tandem on one shaft end each of the interposed drive motor (b 1) with one blower blade circle (21, 31 respectively) held at a radial distance from the hub (26, 36) on the blower shaft side, the operating noise is to be reduced by simple arrangement while maintaining a high output yield; to this end it is proposed to connect the blower blade ring (21 and 31 respectively) of each blower wheel (2, 3) via spokes (22 to 25, and 32 to 35 respectively) leaving free tangential spaces and to arrange the spokes (22 to 25) of the one blower wheel (2) relative to the spokes (32 to 35) of the other blower wheel, as seen in the axial direction (blower shaft 4) in the gaps (circumferential angle of rotation  $\alpha$ ) relative to each other in the circumferential direction.

IPC 1-7  
**F04D 25/16**; **F04D 29/28**

IPC 8 full level  
**F04D 25/16** (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP US)  
**F04D 25/166** (2013.01 - EP US); **F04D 29/283** (2013.01 - EP US)

Citation (examination)

- US 2275564 A 19420310 - SHAWHAN SAM F, et al
- DE 2530133 C3 19790405
- DE 2939385 C2 19821125

Cited by  
EP1701101A3; CN107288923A; DE10002951C1; US7575044B2

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DOCDB simple family (publication)  
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