

Title (en)  
A FAN CENTRIFUGAL IMPELLER

Title (de)  
LAUFRAD EINES KREISELLÜFTERS

Title (fr)  
ROUE CENTRIFUGE DE VENTILATEUR

Publication  
**EP 0900336 A1 19990310 (EN)**

Application  
**EP 97924445 A 19970523**

Priority  
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• SE 9602002 A 19960524

Abstract (en)  
[origin: WO9745643A1] A fan centrifugal impeller, comprising: a backplate (3), shaped as a surface of revolution having as axis the impeller rotation axis (8), and being tangent along its external circle to a revolution cone (22) with a vertex angle ( alpha ) smaller than or equal to 160 DEG and preferably from 130 DEG to 110 DEG ; blades (2), mounted on the backplate having a leading edge (5) and a trailing edge (6), wherein the distance to the rotation axis (8), along the trailing edge remains substantially constant; a surface of revolution shaped shroud (1), having as axis the impeller rotation axis (8).

IPC 1-7  
**F04D 29/28**

IPC 8 full level  
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**F04D 29/281** (2013.01); **F04D 29/30** (2013.01)

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