

Title (en)  
Rotor of a turbomachine

Title (de)  
Rotor einer Strömungsmaschine

Title (fr)  
Rotor d'une turbomachine

Publication  
**EP 0894941 B1 20030312 (DE)**

Application  
**EP 97810536 A 19970728**

Priority  
EP 97810536 A 19970728

Abstract (en)  
[origin: EP0894941A1] The rotor has on the surface (6) of its rotor shaft (1) one or more rows of vanes each projecting through a foot (7) for fixing through the surface (6) into the rotor shaft (1). The projecting part of the shaft has at least one through-flow channel (9) which connects the recess (5) in the rotor shaft to the end of a foot facing the rotor shaft for the purpose of cooling same. A cooling medium such as cooling air can be provided in the recess. The projecting part of the shaft is attached to the end of part of the flow machine. The through flow channel can be set radial or inclined radial to the rotor shaft.

IPC 1-7  
**F01D 5/08**

IPC 8 full level  
**F01D 5/08** (2006.01)

CPC (source: EP)  
**F01D 5/081** (2013.01); **F01D 5/087** (2013.01)

Cited by  
EP1041246A1; EP2246525A4; US6565318B1; WO0058606A1

Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**EP 0894941 A1 19990203; EP 0894941 B1 20030312**; DE 59709507 D1 20030417; JP H1193602 A 19990406

DOCDB simple family (application)  
**EP 97810536 A 19970728**; DE 59709507 T 19970728; JP 21099798 A 19980727