

Title (en)
ROTOR FOR A TURBO-MACHINE

Title (de)
ROTOR FÜR EINE STRÖMUNGSMASCHINE

Title (fr)
ROTOR POUR UNE TURBOMACHINE

Publication
EP 2078137 A1 20090715 (DE)

Application
EP 07803598 A 20070925

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Abstract (en)
[origin: EP1911933A1] The turbine (1) has a housing (39) provided with a feedthrough (20) for feeding an external cooling agent (21), and a rotor (5) that is partly formed in a hollow shape. The rotor includes a supply line (23) for feeding the external cooling agent into a hollow space (22) of the rotor via rotor cooling lines (24). The supply line is arranged adjacent to a balance piston (4). The rotor includes rotor blades allowing the flow of the cooling agent. The rotor blades are cooled by film cooling.

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