

Title (en)

Impulse turbine stage with reduced secondary losses.

Title (de)

Impulsturbinenstufe mit verminderten Strömungsverlusten.

Title (fr)

Etage de turbine à action avec pertes secondaires réduites.

Publication

EP 0457241 A1 19911121 (FR)

Application

EP 91107717 A 19910513

Priority

FR 9005992 A 19900514

Abstract (en)

Impulse turbine stage comprising a bank (1) of fixed blades (2) integral with the stator (3) of the turbine supporting a diaphragm (4) followed by a bank (7) of moving blades (8) mounted on a disc (9) integral with the rotor (6) of the turbine, characterised in that the said disc (9) is provided with transverse ducts (2) parallel to the axis of the rotor (6) and in that the inlets of the said ducts (12) opening into the space between the diaphragm (4) and the disc (9) are provided with scoops (15) oriented to send the fluid towards the inside of the ducts (12). <??>The invention allows a reduction of the secondary losses of an impulse turbine. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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