

Title (en)
DEVICE FOR TURBINE DISENGAGEMENT IN TURBOMACHINE OVERSPEED

Title (de)
VORRICHTUNG ZUM AUSRÜCKEN DER TURBINE BEI ÜBERDREHZAHL EINER TURBOMASCHINE

Title (fr)
DISPOSITIF POUR LE DÉSENGAGEMENT DE TURBINE EN SURVITESSE DE TURBOMACHINE

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Application
EP 21705582 A 20210108

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Abstract (en)
[origin: WO2021140301A1] The invention relates to an assembly for a turbomachine turbine (10) with longitudinal axis (A-A), comprising: - a turbine rotor disc (12) centred on the longitudinal axis, - a turbine shaft (14) centred on the longitudinal axis and rotated by the rotor disc, - first means for transmitting torque from the rotor disc to the shaft, the rotor disc being immobilised in translation relative to the shaft in the direction of the longitudinal axis by a member (22) screwed onto the shaft, and - second means for transmitting torque from the rotor disc to the screwed member, wherein the screwed member has an unscrewing direction identical to the direction of rotation of the rotor disc in operation, and the second torque transmission means are configured to transmit the rotational torque from the rotor disc to the screwed member when the first torque transmission means ceases to transmit the torque from the rotor disc to the shaft.

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