

Title (en)
LEVER CONNECTION AND CORRESPONDING TURBOMACHINE

Title (de)
HEBELANBINDUNG UND ZUGEHÖRIGE STRÖMUNGSMASCHINE

Title (fr)
RACCORDEMENT DE LEVIER ET TURBOMACHINE ASSOCIÉE

Publication
EP 3495626 B1 20200805 (DE)

Application
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Priority
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Abstract (en)
[origin: US2019178096A1] Disclosed is a lever linkage for the rotationally fixed connection of a guide vane to a lever of a guide vane adjusting device of a turbomachine, wherein the guide vane has a vane shaft, which extends along a vertical axis. In accordance with the invention, the lever is formed in one piece at a radially outer end of an essentially hollow cylindrical clamping sleeve, which coaxially surrounds the vane shaft in sections, and the vane shaft and the clamping sleeve are coupled by way of a longitudinal side form-fitting connection or a front-end form-fitting connection, and the vane shaft can be tensioned with the clamping sleeve along the vertical axis by means of a fastening element, in particular a threaded nut. In consequence thereof, a separation of two different force flows that act on the guide vanes is obtained, as a result of which local load peaks are reduced.

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