

Title (en)
PROFILING OF INLET GUIDE VANES OF RADIAL COMPRESSORS

Title (de)
PROFILIERUNG VON LEITSCHAUFELN VON EINTRITTSLEITAPPARATEN BEI RADIALVERDICHTERN

Title (fr)
PROFILAGE D'AUBES DIRECTRICES DE DISPOSITIFS DIRECTEURS POUR COMPRESSEURS RADIALES

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Abstract (en)
[origin: WO2016062531A1] The invention relates to a stator (1) for a turbomachine (10), in particular a compressor (10), and to a turbomachine (10) comprising an entry stator (1) of this type. The stator (1) has at least one blade (4) comprising a vane (3) around which a fluid (2) can flow. In order to increase the efficiency of the turbomachine (10), a curvature (5) of a profile centre line (6) of the vane (3) has at least one inflection point (7).

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