

Title (en)
End wall structure for a turbine stage

Title (de)
Turbinenstufenendwand

Title (fr)
Paroi d'extrémité pour un étage de turbine

Publication
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Application
EP 09161706 A 20090602

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Abstract (en)
The invention relates to a turbine stage comprising a circumferentially distributed row of adjacent airfoils between which there is a flow passage (18). The passage (18) has a surface, which in its unmodified form defines a datum (DR). A channel (30), located in the passage (18), extends in the direction of primary flow lines (PFL) from a point towards a leading edge line (20) to a point towards a trailing edge line (22). The channel (30) consists of two channel walls (32) angled relative to a datum (DR). Relative to the datum (DR), it has a low point (LP), two high points (HP), and a channel height (CH) measured between the low point (LP) and highest of the high points (HP). The channel (30) provides a means to reduce secondary flow losses.

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Citation (applicant)

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