

ABSTRACT OF THE DISCLOSURE

A cooled blade or vane (10) for a gas turbine has a main blade or vane part (11) which starts from a blade or vane root (12) and a blade or vane shank (25) and has a leading edge (19) and a trailing edge (20), as well as, inside the main blade or vane part (11), a plurality of cooling ducts (13, 14, 15), which extend in the radial direction, are connected in series in terms of flow and of which a first cooling duct (13) has a main stream of a cooling medium flowing through it along the leading edge (19), and a second cooling duct (15) has a main stream of a cooling medium flowing through it along the trailing edge (20), from the blade or vane root (12) to the tip of the main blade or vane part (11), and the outlet of the first cooling duct (13) is in communication, via a first diverting region (17), a third cooling duct (14) arranged between the first and second cooling ducts (13, 15), and a second diverting region (18), with the inlet of the second cooling duct (15). There are first means (22, 23, 24), through which an additional stream of cooler cooling medium is added from the outside to the heated main stream of the cooling medium flowing from the third cooling duct (14) into the second cooling duct (15).

The range of applications for cooling of this type can be expanded by the first means comprising bores (22, 23) which run transversely through the blade or vane (10) and are in communication with the second diverting region (18).

(Fig. 1)