

TURBINE AIRFOIL WITH IMPROVED COOLING

ABSTRACT OF THE DISCLOSURE

A turbine airfoil includes an outer wall and a plurality of cooling passages or minicores formed in the outer wall. A web separates each adjacent pair of the minicores. In order to provide more effective, even cooling of the airfoil, a baffle
5 inside the airfoil includes a plurality of outlets aligned with the webs. The fluid outlets direct the cooling fluid directly onto the web. The cooling fluid then flows through the minicores and out through exits in the minicores.

Figure 2