

**METHOD OF REPAIRING A BLADE OF A ONE-PIECE
BLADED DISC OF A TURBOMACHINE AND TEST PIECE FOR
IMPLEMENTING THE METHOD**

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ABSTRACT

To repair the blade (2), a patch is welded by an electron beam. The method starts by machining the damaged zone so as to obtain a zone (10) to be repaired having a defined profile; welded on to a first test piece element corresponding to the blade (2), having said defined profile, is a second test piece element, corresponding to the patch, in order to obtain a start-of-run test piece; the quality of this test piece is verified and, if it corresponds to the repair acceptance criteria, the patch is welded on to the zone (10) to be repaired using the same electron-beam welding machine without changing its operating parameters, and the repaired zone is reworked by machining.

Figure 2