

METHOD OF REPAIRING COMBUSTION CHAMBER LINERS

ABSTRACT OF THE DISCLOSURE

A method of repairing an annular transpiration cooled liner (12, 14) for a combustion chamber (10) of a gas turbine engine. An annular portion (34) of the liner (12, 14) including a damaged region is removed from between an upstream section (30) and a downstream section (32) of the liner (12, 14). Sheet metal is formed into an annular replacement section (40) having at least one axial seam (42) extending between an upstream end (44) and a downstream end (46) of the replacement section (40). The replacement section (40) is sized and shaped similarly to the removed annular portion (34) of the liner (12, 14). The upstream end (44) of the formed annular section is joined to the upstream section (30) of the liner (12, 14) and the downstream end (46) of the formed annular section is joined to the downstream section (32) of the liner (12, 14).

Fig. 5