

OUTER AND INNER COWL-WIRE WRAP TO ONE PIECE COWL CONVERSION

ABSTRACT

A method facilitates replacing a portion of a gas turbine engine combustor (30). The combustor includes a combustor liner (42, 44) and a wire-wrapped cowl assembly (60) that includes an inner cowl (64) and an outer cowl (62). The method comprises cutting through the wire-wrapped cowl assembly upstream from fastener (58) openings used to couple the inner and outer cowls to the combustor liner, removing a portion of the cowl assembly from the combustor, and coupling a replacement cowl to the portion of the existing cowl assembly that is downstream from the cut, wherein the replacement cowl includes an inner annular portion (112), an outer annular portion (110), and a plurality of circumferentially-spaced radial ligaments (120) extending therebetween.

Fig. 3