METHOD AND APPARATUS TO FACILITATE
REDUCING $NO_X$ EMISSIONS IN TURBINE ENGINES

ABSTRACT OF THE DISCLOSURE

A combustor liner includes an annular shell including a plurality of circumferentially extending panels, wherein the plurality of circumferentially extending panels includes a first panel positioned at an upstream end of the shell and a second panel positioned downstream from, and adjacent to, the first panel, a plurality of primary dilution holes (98) formed in the first panel (82), and a plurality of secondary dilution holes (100) formed in the second panel (86), the dilution holes configured to discharge dilution air into the shell.

Fig. 3