

METHOD FOR REPOSITIONING OR REPAIRING HOLES

ABSTRACT OF THE DISCLOSURE

A method for repositioning or repairing holes (12) in metal substrates (10) such as metal components used in jet engines and the like. The hole (12) to be repositioned or repaired is enlarged and a recess (22, 46) is formed at each end of the enlarged hole (18). A deformable metal insert (52) is then inserted within the enlarged hole (18) and then subjected to physical forces so as to cause it to deform and frictionally engage the walls (32, 46) of the recesses (22, 46) and the enlarged hole (18) so that the insert (52) becomes axially fixed therein. A new, repositioned hole (88) can then be formed in the fixed insert (52) that extends completely therethrough.

Fig. 3