

REPAIR PROCESS

ABSTRACT OF THE DISCLOSURE

In accordance with the present invention, a process for repairing metal workpieces, such as turbine engine components, is provided. The process comprises the steps of forming a braze paste containing a first nickel base alloy material containing boron and chromium and a second nickel base alloy material containing chromium and cobalt, applying the brazing paste to an area of the metal workpiece containing at least one crack, and subjecting the workpiece and the brazing paste to a brazing cycle by heating the brazing paste and the workpiece, preferably to a temperature in the range of from 2000 to 2200 degrees Fahrenheit. During the brazing cycle, the brazing paste flows into and fills the at least one crack and thus repairs the metal workpiece.