

REPAIR OF A RECESS IN AN ARTICLE SURFACE

ABSTRACT

A method for repairing a recess (10) in an article surface (12) comprises providing first and second metallic powders (18, 22). The first powder (18) has a first melting temperature and the second powder (22) has a second melting temperature less than the first melting temperature. The first powder (18) is disposed in the recess (10) substantially to fill the recess (10) at least to the article surface (12). The second powder (22) is disposed over the first powder (18) in an amount that will fill the recess (10) at least to the article surface (12) after melting and flowing the second powder (22) into the recess. The powders (18, 22) are heated to a treatment temperature at least at the second melting temperature and less than the first melting temperature for a time sufficient to melt the second powder (22), to flow the second powder (22) into the recess (10) about the first powder (18), and to bond the second powder (22) to a recess surface (16).

FIGURE 5