

FRICTION WELDING METHOD

ABSTRACT

A friction welding method includes: applying axial force to first and second metallic components so as to force the components against each other at an interface therebetween, while oscillating the two components relative to each other in a cyclic motion, so as to generate friction and heat at the interface; rapidly stopping the cyclic motion; and applying a spike in the axial force to complete a weld between the first and second components.

[Figure 1]