

ABSTRACT

PRE-SINTERED PREFORM BRAZE FOR JOINING ALLOY CASTINGS

The disclosure describes techniques for joining a first component comprising a first metal or alloy and a second component comprising a second metal or alloy to each other. The techniques may include positioning the first and second component adjacent to each other to define a joint region between adjacent portions of the first component and the second component. The techniques also may include positioning a pre-sintered preform (PSP) braze material in the joint region, heating the PSP braze material to form a molten braze alloy, and cooling the molten braze alloy to join the first and second components. The PSP braze material may include a wide gap braze material.

FIG. 1