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(54) Title: DIFFUSION BOND MIXTURE FOR HEALING SINGLE CRYSTAL ALLOYS

(57) Abstract: A diffusion bond mixture paint and method for repairing a single-crystal superalloy article that minimizes the amount of braze alloy applied to the article. The amount of boron and eutectic brittle borides of the wide gap brazing processes is minimized, resulting in a more robust repair. The braze paint includes an alloy powder mixture, a binder, and a carrier to thin the paint.



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