

Abstract

Nickel-based brazing foil and process for brazing

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Amorphous, ductile brazing foil with a composition consisting essentially of $\text{Ni}_{\text{rest}}\text{Cr}_a\text{B}_b\text{P}_c\text{Si}_d$ with 2 atomic percent $\leq a \leq 30$ atomic percent; 0.5 atomic percent $\leq b \leq 14$ atomic percent; 2 atomic percent $\leq c \leq 20$ atomic percent; 0 atomic percent $\leq d \leq 14$ atomic percent; incidental impurities ≤ 0.5 atomic percent; rest Ni, where $c > b > c/15$ and 10 atomic percent $\leq b + c + d \leq 25$ atomic percent.

15 [Fig. 2]