

Title (en)

ALUMINUM FILLER ALLOY CONTAINING SODIUM FOR FLUXLESS BRAZING

Title (de)

ALUMINIUMFÜLLLEGIERUNG MIT SODIUM ZUM FLUSSMITTELLOSEM HARTLÖTEN

Title (fr)

ALLIAGE D'APPORT A BASE D'ALUMINIUM CONTENANT DU SODIUM POUR BRASAGE SANS FLUX

Publication

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Application

EP 01951089 A 20010621

Priority

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- US 21327400 P 20000622

Abstract (en)

[origin: WO0198019A1] An aluminum filler alloy, particularly useful in fluxless controlled atmosphere brazing (CAB), contains from about 4 % to 20 % wt.% silicon (Si) and about 0.0008 % to 0.06 % sodium (Na). In addition to the sodium, the alloy may also contain bismuth (Bi) and/or potassium (K) in the ranges of about 0.0005 % to 0.03 % K, and from about 0.03 % to 0.133 % Bi. The filler metals can be clad to aluminum core alloys preferably from the 3XXX, 5XXX, or 6XXX alloys series.

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IPC 8 full level

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CPC (source: EP US)

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