

Title (en)

Brazeable ferritic stainless steel, method of using same and article formed therefrom.

Title (de)

Hartlötbarer ferritischer rostfreier Stahl, Verfahren zur Verwendung dieses Stahls sowie aus diesem Stahl hergestellte Gegenstände.

Title (fr)

Acier ferritique inoxydable pouvant être brasé, procédé d'utilisation de cet acier et articles faits en cet acier.

Publication

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Application

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Priority

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Abstract (en)

A stabilized ferritic stainless steel is wettable by brazing materials used at temperatures of from 1093 DEG C to 1149 DEG C (2000 DEG F to 2100 DEG F). The steel consists essentially of, by weight, 10.5% to 13.5% chromium, up to 0.1 carbon, up to 0.05% nitrogen, up to 0.12% titanium and at least one other stabilizing element selected from niobium and tantalum in an amount in accordance with the relationship: <CHEM> The invention includes a method of using the steel which comprises brazing the steel, preferably with copper, and a brazed article formed from the steel.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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