

Title (en)

BRAZEABLE FERRITIC STAINLESS STEEL, METHOD OF USING SAME AND ARTICLE FORMED THEREFROM

Publication

EP 0049033 B1 19851121 (EN)

Application

EP 81303337 A 19810721

Priority

US 17632480 A 19800808

Abstract (en)

[origin: EP0049033A1] 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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C22C 38/26

IPC 8 full level

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Cited by

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