

Title (en)

Process for enhancing the bond strength of resistance welded joints between titanium alloy articles

Title (de)

Verfahren zur Verbesserung der Haftstärke zwischen widerstandsgeschweisste Gegenstände aus Titan-Legierung

Title (fr)

Procédé d'amélioration de la force de liaison entre pièces en alliage de titane soudées par résistance

Publication

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Application

EP 97117489 A 19971009

Priority

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Abstract (en)

[origin: EP0915180A1] A process for enhancing the bond strength of resistance welded joints between titanium alloy articles includes a first step of resistance welding two titanium alloy articles and a second step of heat treating the resistance welded titanium alloy articles in a vacuum or inert environment at temperatures in a range of 1675 DEG F to 1825 DEG F for a period of 15 minutes to 4 hours. The process of the present invention is particularly useful in providing efficient joining of face sheets to a honeycomb core element.

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