

Title (en)

Assembly by welding of tube plates in heat exchangers comprising solid titanium tube plates.

Title (de)

Zusammenbau durch Schweißen von Rohrplatten in Wärmetauschern, die Rohrplatten aus gediegenem Titan enthalten.

Title (fr)

Assemblage par soudage de plaques tubulaires dans les échangeurs de chaleur comportant des plaques tubulaires massives en titane.

Publication

**EP 0267349 A1 19880518 (FR)**

Application

**EP 86870167 A 19861113**

Priority

EP 86870167 A 19861113

Abstract (en)

1. Mounting of tube plates at the end of a carbon steel shell of a tubular heat exchanger, each tube plate having, on the side fastened to the shell, a carbon steel part and, on the side exposed to corrosion, a titanium part to which the titanium tubes are rolled in and welded, characterized in that the actual tube plate (2) is produced from solid titanium and is fastened to the carbon steel shell (1) via a steel piece (15) welded by explosion or an equivalent method to the tube plate (2) which is itself welded to the shell (1).

Abstract (fr)

Chacune des plaques tubulaires (2) en titane est fixée à la manchette (1) en acier au carbone par l'intermédiaire d'une pièce en acier (15) soudée à la plaque tubulaire (2) par explosion ou l'équivalent, qui est elle-même soudée à la manchette (1). La plaque (2-15) assemblée en bout de la manchette peut être utilisée comme bride.

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CPC (source: EP)

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Citation (search report)

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