

Title (en)

Explosively activated assembly for repairing heat exchange tubes.

Title (de)

Durch Explosion aktivierte Vorrichtung zum Reparieren von Wärmetauscherröhren.

Title (fr)

Bouchon à l'explosif pour réparer des tubes d'échangeurs de chaleur.

Publication

**EP 0102188 A2 19840307 (EN)**

Application

**EP 83304304 A 19830726**

Priority

US 40244682 A 19820727

Abstract (en)

The invention relates to the repair of heat exchange tubes and is directed at an explosive activated assembly having a sleeve (14) which is inserted into an end of the tube (12) to be repaired and has a plurality of projections (18) extending from the outer surface thereof. A force-transmitting member (20) extends within a bore (22) formed in the sleeve (14) and contains an explosive member (24) so that, upon detonation of the explosive member (24), the force-transmitting member (20) and the sleeve (14) are expanded radially outwardly to drive the projections (18) against the tube (12).

IPC 1-7

**F28F 11/02**; F16L 55/16

IPC 8 full level

**B21D 39/08** (2006.01); **B21D 53/06** (2006.01); **F28F 11/02** (2006.01)

CPC (source: EP)

**F28F 11/02** (2013.01)

Cited by

EP0718073A1; US7322090B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0102188 A2 19840307**; **EP 0102188 A3 19840801**; ES 523894 A0 19840616; ES 8405931 A1 19840616; JP S5981497 A 19840511

DOCDB simple family (application)

**EP 83304304 A 19830726**; ES 523894 A 19830706; JP 12170183 A 19830706