

Title (en)

Method for removing sludge and deposits from the interior of a heat exchanger vessel.

Title (de)

Methode zum Beseitigen von Schlamm und Ablagerungen aus dem Inneren eines Wärmetauscherbehälters.

Title (fr)

Méthode pour enlever les boues et les dépôts à l'intérieur d'un réservoir d'échangeur de chaleur.

Publication

**EP 0484042 A1 19920506 (EN)**

Application

**EP 91309816 A 19911023**

Priority

US 60520090 A 19901029

Abstract (en)

Method for removing sludge and deposits (32) from the interior of a heat exchanger vessel (1). The method includes the steps of filling the interior of the secondary side (5) of the heat exchanger vessel (1) with an aqueous solution of a cleaning agent formed from at least one of the group consisting of surfactants, dispersants, thixotropes and flotation agents, recirculating the aqueous solution within the secondary side (5) while simultaneously filtering it to remove sludge and deposits (32) entrained within the solution, and draining the aqueous solution from the secondary side (5) while continuously introducing a succession of pressurized pulses of gas into the solution during the filling, recirculation and draining steps in order to create shock waves in the solution which loosen and fluidize sludge and deposits (32) present within the secondary side (5). <IMAGE>

IPC 1-7

**F22B 37/48**; **F28G 7/00**; **F28G 9/00**

IPC 8 full level

**B08B 9/093** (2006.01); **F22B 37/48** (2006.01); **F28G 7/00** (2006.01)

CPC (source: EP)

**F22B 37/483** (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 6, no. 50 (M-120)(928) 3 April 1982 & JP-A-56 165 900 ( SHINKOU KAWADA ) 19 December 1981

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