

Title (en)

Control of detonative cleaning apparatus

Title (de)

Steuerung einer Vorrichtung zur Reinigung durch Detonation

Title (fr)

Contrôle d'un appareil de nettoyage à détonation

Publication

**EP 1533048 B1 20080604 (EN)**

Application

**EP 04257175 A 20041119**

Priority

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- US 80121504 A 20040315

Abstract (en)

[origin: EP1533048A1] A shockwave cleaning apparatus cleans one or more surfaces within a vessel A sensor (206, 208) senses one or more thermodynamic properties associated with the vessel (200). A control system (214) is coupled to an initiator and a fuel/oxidizer source to control the firing of the apparatus responsive to input from the sensor (206, 208). <IMAGE>

IPC 8 full level

**B08B 7/00** (2006.01); **B08B 9/08** (2006.01); **F23J 3/00** (2006.01); **F27D 19/00** (2006.01); **F27D 21/00** (2006.01); **F27D 25/00** (2010.01); **F28G 7/00** (2006.01); **F28G 13/00** (2006.01); **F28G 15/00** (2006.01); **F28G 15/02** (2006.01)

CPC (source: EP)

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**EP 1533048 A1 20050525**; **EP 1533048 B1 20080604**; AT E397498 T1 20080615; AU 2004229043 A1 20050609; AU 2004229043 B2 20070426; CN 1623690 A 20050608; DE 602004014232 D1 20080717; ES 2309469 T3 20081216; JP 2005188918 A 20050714; JP 3993596 B2 20071017; NZ 536700 A 20070126; PL 1533048 T3 20090227; RU 2004133923 A 20060510; RU 2285567 C2 20061020

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