Title (en)

Process for making harmless an explosive wave front and flame trap

Title (de)

Verfahren zum Unschädlichmachen einer Detonationsfront und Detonationssicherung

Title (fr)

Procédé pour neutraliser une onde de détonation et dispositif pare-flamme

Publication

EP 0951922 A3 20010725 (DE)

Application

EP 99105224 A 19990313

Priority

DE 19818572 A 19980425

Abstract (en)

[origin: EP0951922A2] The explosion front (8) is guided towards a flame trap (5) with a diameter greater than the pipe (4) and this front only comes into contact with a partial region (9) of the flame trap, which directs the front into an expansion region (13) in front of the flame trap. The resulting deflagration impinges against the outer cross-section region of the flame trap. An Independent claim is also included for the flame trap.

IPC 1-7

A62C 4/02

IPC 8 full level

A62C 4/02 (2006.01); **F42D 5/045** (2006.01)

CPC (source: EP KR US)

A62C 4/02 (2013.01 - EP US); **F17D 1/00** (2013.01 - KR); **F42D 5/045** (2013.01 - EP US); Y10S 55/20 (2013.01 - EP US)

Citation (search report)

- [XD] DE 19536292 A1 19970417 - LEINEMANN GMBH & CO [DE]
- [AD] DE 1429088 A1 19681212 - NEUMANN DR ING JAN
- [A] EP 0375455 A2 19900627 - WESTECH IND LTD [CA]
- [A] DE 1192980 B 19650513 - LEINEMANN CO FLAMMENFILTER

Cited by

CN110314306A; WO0137933A3; EP3099382B1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0951922 A2 19991027; **EP 0951922 A3 20010725**; **EP 0951922 B1 20051221**; AT E313357 T1 20060115; BR 9901255 A 20000321; CA 2269010 A1 19991025; CA 2269010 C 20060801; CZ 131199 A3 19991117; CZ 296165 B6 20060111; DE 19818572 C1 19991111; DE 59912942 D1 20060126; DK 0951922 T3 20060410; ES 2251127 T3 20060416; HU 220978 B1 20020729; HU 9901267 D0 19990628; HU P9901267 A1 20000528; JP 4146024 B2 20080903; JP H11311500 A 19991109; KR 100603689 B1 20060720; KR 19990087958 A 19991227; NO 317802 B1 20041213; NO 991454 D0 19990325; NO 991454 L 19991026; PL 188748 B1 20050429; PL 332619 A1 19991108; SI 0951922 T1 20060430; SK 284694 B6 20050908; SK 41499 A3 20000214; TW 427919 B 20010401; US 2001000837 A1 20010510; US 6342082 B1 20020129; US 6409779 B2 20020625

DOCDB simple family (application)

EP 99105224 A 19990313; AT 99105224 T 19990313; BR 9901255 A 19990415; CA 2269010 A 19990414; CZ 131199 A 19990414; DE 19818572 A 19980425; DE 59912942 T 19990313; DK 99105224 T 19990313; ES 99105224 T 19990313; HU P9901267 A 19990420; JP 8646799 A 19990329; KR 19990014631 A 19990423; NO 991454 A 19990325; PL 33261999 A 19990420; SI 9930874 T 19990313; SK 41499 A 19990326; TW 88104649 A 19990324; US 29640599 A 19990423; US 75691501 A 20010110