

Title (en)

RUPTURE PIPE FOR FIRE EXTINGUISHING SYSTEMS

Title (de)

BERSTSCHLAUCH FÜR FEUERLÖSCHSYSTEME

Title (fr)

TUYAU DE RUPTURE POUR DES SYSTÈMES D'EXTINCTION D'INCENDIE

Publication

EP 1727598 B1 20170222 (DE)

Application

EP 05716330 A 20050323

Priority

- EP 2005003104 W 20050323
- DE 102004014831 A 20040324

Abstract (en)

[origin: WO2005092446A1] The invention relates to a rupture pipe (1) in various forms of embodiment, used in both direct and indirect fire extinguishing systems and installations. The inventive pipe (1) is extrusion-formed from a thermoplastic material, maintained under pressure, and embodied in a flexible manner for the laying thereof. Elements (2 to 6) are arranged in or on the wall of the pipe (1), said elements causing, in the event of a critical heat action, for example when a source of fire is created, an accelerated weakening of the wall of the pipe (1) by rapid heat transfer to the pipe wall, thus leading rapidly to the rupturing of the pipe (1), an extinguishing agent leaking from the point of rupture in direct fire extinguishing systems or a loss of pressure being generated in the pipe (1) in indirect fire extinguishing systems.

IPC 8 full level

A62C 37/12 (2006.01); **A62C 35/64** (2006.01)

CPC (source: EP)

A62C 35/64 (2013.01); **A62C 37/12** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102004014831 A1 20051013; **DE 102004014831 B4 20150212**; EP 1727598 A1 20061206; EP 1727598 B1 20170222; WO 2005092446 A1 20051006

DOCDB simple family (application)

DE 102004014831 A 20040324; EP 05716330 A 20050323; EP 2005003104 W 20050323