Title (en)

Inerting method for extinguishing fires

Title (de)

Inertisierungsverfahren zum Löschen eines Brandes

Title (fr)

Procédé d'inertisation pour l'extinction des incendies

Publication

EP 1550482 B1 20100414 (DE)

Application

EP 03029928 A 20031229

Priority

EP 03029928 A 20031229

Abstract (en)

[origin: EP1550482A1] The firefighting system uses carbon dioxide, nitrogen or some other suitable inert gas to flood a room which is on fire and reduce the oxygen concentration from the normal 21% by volume to below 13.8%. Reignition of flames is inhibited below 13.8% oxygen content. At sea level personnel can breathe inert gas and oxygen mixtures down to 10% oxygen without harm. The flooding phase takes 120 seconds, after which the oxygen level reaches a lower threshold (Unterer Schwellwert) - above 10% - and the gas is turned off. Air may leak in, raising the oxygen level. When it reaches an upper threshold (Oberer Schwellwert) - below 13.8% - the gas is turned on again until the lower level is reached.

IPC 8 full level

A62C 99/00 (2010.01)

CPC (source: EP US)

A62C 99/0009 (2013.01 - EP US); **A62C 99/0018** (2013.01 - EP US)

Cited by

DE102005053694B3; DE102005053692B3; EP2210645A1; US8813860B2; EP1911498A1; AU2007306567B2; DE102012002131A1; KR101359885B1; NO339386B1; WO2007054316A1; WO2007054314A1; US7726410B2; US8256524B2; US8567516B2; WO2008043586A1

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