

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

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