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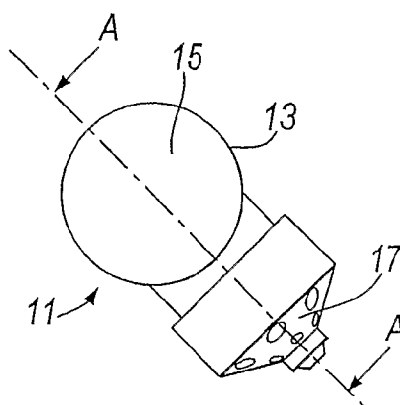
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(54) Title: DISCHARGE OF FIRE EXTINGUISHING AGENT



(57) Abstract: Apparatus (11) for rapid discharge of one or more fire extinguishing agent(s) comprises a sealed container (13) forming an interior volume (15) in communication with a rapidly opening valve assembly (17). The interior volume contains fire extinguishing agent(s), super-pressurised by a gas such as nitrogen. A portion of the nitrogen is dissolved into the fire extinguishing agent(s). When an incident is detected which requires the discharge of the fire extinguishing agent(s) the valve (17) is opened. Opening the valve (17) causes rapid dissolution of the nitrogen from the fire extinguishing agent(s), forming a two-phase mixture (like a foam or mousse) which substantially fills the volume (15) and causing the discharge of fire extinguishing agent(s) from the valve assembly (17). Because the two phase mixture is used to discharge the fire extinguishing agent(s), and this two phase mixture substantially fills the interior volume (15), the fire extinguishing agent(s) will be discharged irrespective of the orientation of the canister (13) and the position of the valve assembly (17).

WO 2006/008436 A1