Title (en)

Method and system to prevent and/or extinguish a fire

Title (de)

Verfahren und System zum Vorbeugen und/oder Löschen eines Brandes

Title (fr)

Procédé et dispositif de prévention et/ou d'extinction d'un incendie

Publication

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Application

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Priority

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Abstract (en)

[origin: CA2973032A1] The invention relates to a method and a system for preventing and/or extinguishing a fire in an enclosed target area (101) in a vehicle, in particular in a track-bound vehicle (100), having a central compressed air source (102) for supplying compressed air to a load circuit (114) as required. In the method, a supply of compressed air is provided in a compressed air buffer tank (130), and compressed air is supplied to a gas separation device (140) from the compressed air buffer tank (130). A nitrogen-enriched gas mixture is provided at an outlet (140b) of the gas separation device (140), and the gas mixture is introduced into the target area (101) as required. In order to provide the supply of compressed air, an inlet (130a) of the compressed air buffer tank (130) is at least temporarily fluidically connected to an outlet (102a) of a central compressed air source (102) such that compressed air can be supplied to the compressed air buffer tank (130). A fluidic connection is provided between the central compressed air source (102) and the compressed air buffer tank (130) if a load circuit (114) is not drawing any compressed air from the central compressed air source (102).

IPC 8 full level

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