

Title (en)
SAFETY SYSTEM FOR BYPASS TUNNELS AND THE LIKE

Title (de)
SICHERHEITSSYSTEM FÜR BYPASSTUNNEL UND DERGLEICHEN

Title (fr)
SYSTÈME DE SÉCURITÉ POUR TUNNELS DE CONTOURNEMENT ET SIMILAIRES

Publication
EP 4159976 B1 20240417 (EN)

Application
EP 22197486 A 20220923

Priority
IT 202100025091 A 20210930

Abstract (en)
[origin: EP4159976A1] A safety system for bypass tunnels and the like, which comprises:- measurement means (2) for measuring the degree of opening of fire doors (3) arranged between a pressurized chamber (4) and a tunnel (5);- fan means (7) arranged in the pressurized chamber (4) and adapted to create a pressurized atmosphere with an overpressure with respect to the atmospheric pressure present in the tunnel (5), the fan means (7) being configured so as to operate as a function of the calculated differential pressure between the pressure in the pressurized chamber (4) and in the tunnel (5) and the measurement performed by the measurement means (2);- electronic control and management means functionally connected to the measurement means (2) and to the fan means (7) in order to adjust the operating speed of the fan means (7);- door-closing means (8) applied on the fire doors (3);- means (9) for the assisted opening and closing of the fire doors (3), configured so as to aid their opening following actuation of a panic bar (10) of the fire doors (3).

IPC 8 full level
E21F 1/00 (2006.01); **E21F 11/00** (2006.01)

CPC (source: EP)
E21F 1/003 (2013.01); **E21F 11/00** (2013.01)

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