

Title (en)

CONTROLLER FOR TUNNEL VENTILATING SYSTEM

Publication

EP 0240713 B1 19920108 (EN)

Application

EP 87103005 A 19870303

Priority

- JP 7832686 A 19860407
- JP 7832786 A 19860407

Abstract (en)

[origin: EP0240713A1] A controller for a tunnel ventilating system comprising an exhaust blower (3), jet fans (4, 5) and/or electric dust collectors (61, 62), for forcibly ventilating a tunnel having a ventilating shaft (1) formed substantially at the middle of the tunnel. The controller comprises: detecting elements disposed within the tunnel and/or approached to the tunnel for detecting various physical values relating to air pollution within the tunnel, such as ventilation rate, wind speed, type, running speed and volume of vehicles passing through the tunnel, and the degree of air pollution within the tunnel; arithmetic processing element which calculates a correction value for correcting the ventilation rate and a control value for controlling the flow speed of fresh air supplied into the tunnel by the tunnel ventilating system on the basis of physical values detected by the detecting element; and control element which controls the operation of the exhaust blower and/or the electric dust collectors on the basis of the correction value for correcting the ventilation rate, and controls the operation of the jet fans on the basis of the control value for controlling the flow speed of fresh air supplied into the tunnel.

IPC 1-7

E21F 1/00

IPC 8 full level

E21F 1/00 (2006.01)

CPC (source: EP)

E21F 1/003 (2013.01)

Cited by

EP3339569A1; CN103207604A; EP2746762A1; CN111720154A; CN108229013A; CN113137280A; CN108661687A; EP3430887A1; EP0527307A3; IT201600126254A1; CN111168694A; DE102019120966A1; CN117032330A; US2008293350A1; US9546549B2; FR3094076A1; EP1783323A1; NL1030372C2; US5722885A; CN102472105A; US9494564B2; WO2024022005A1; WO9606313A1

Designated contracting state (EPC)

CH FR IT LI

DOCDB simple family (publication)

EP 0240713 A1 19871014; EP 0240713 B1 19920108

DOCDB simple family (application)

EP 87103005 A 19870303