

Title (en)

Control device for fan air locks

Title (de)

Steuerungsvorrichtung für die Luftschleusen eines Gebläses

Title (fr)

Dispositif de commande pour des sas à air d'un ventilateur

Publication

EP 1094225 A1 20010425 (EN)

Application

EP 99830664 A 19991021

Priority

EP 99830664 A 19991021

Abstract (en)

The device comprises a control organ (4) slidably mounted on a shaft (6) able to be actuated in rotation by a motor of a ventilator. The control organ (4) rigidly bears a fan (2) and is movable in contrast to a helical spring (18) by effect of an axial thrust produced by the functioning fan. The translation of the control organ (4) between a first and a second operative position causes, through a transmission kinematic mechanism (12), an air lock (2a) of the ventilator to switch from a closed condition to an open condition. A bell element (14) and an extensible protecting shroud (20) safeguard the components of the device against the entry of dust and against the action of atmospheric agents. <IMAGE>

IPC 1-7

F04D 25/14; F24F 7/007; F24F 13/14

IPC 8 full level

F04D 25/14 (2006.01)

CPC (source: EP)

F04D 25/14 (2013.01)

Citation (applicant)

EP 0563857 A1 19931006 - LINDE AG [DE]

Citation (search report)

- [A] GB 2153014 A 19850814 - YOO BYUNG EUN
- [A] EP 0563875 A1 19931006 - EUROEMME SPA [IT]

Cited by

WO03042544A1

Designated contracting state (EPC)

DE FR IT SE

DOCDB simple family (publication)

EP 1094225 A1 20010425; **EP 1094225 B1 20020717**; DE 69902175 D1 20020822; DE 69902175 T2 20021114

DOCDB simple family (application)

EP 99830664 A 19991021; DE 69902175 T 19991021