

Title (en)

SAFETY DEVICE FOR CLOSING INSPECTION DOORS

Title (de)

SICHERHEITSVORRICHTUNG ZUM VERSCHLIESSEN VON INSPEKTIONSTÜREN

Title (fr)

DISPOSITIF DE SÉCURITÉ POUR FERMER DES PORTES D'INSPECTION

Publication

EP 3372767 B1 20190724 (EN)

Application

EP 18160261 A 20180306

Priority

IT 201700025960 A 20170309

Abstract (en)

[origin: EP3372767A1] A safety device (1) for inspection doors of machines with moving parts, of the type comprising a substantially box-like enclosure (101) inside which there is a chamber (102) for accommodating moving parts and which is provided with at least one inspection port (103) associated with a door (104) that is pivoted about a rotation axis (A) and can move between a closed configuration and an open configuration of the port. The device (1) comprises a safety electric lock (2) provided with a main body (3) associated with a head (4) which bears at least one opening (5) for the insertion of an actuator (6) and is normally closed with the actuator (6) coupled to the main body (3) so as to prevent the opening of the door (104) and is associated with opening actuation means for the release of the actuator (6) so as to allow the opening of the door; the electric lock (2) is adapted to be arranged proximate to the rotation axis (A) with the main body (3) associated with the enclosure (101); an articulation arm (7) being provided which can be associated with the door (104) and is pivoted about a rotation pivot (8) which can be associated with the enclosure (101) at the rotation axis (A), which is associated with a tab (9) provided with a through slot (11); the tab (9) is adapted to obstruct at least partially the opening (5) for the insertion of the electric lock (2) when the actuator (6) is disengaged and the arm (7) rotates between the closed and open configurations of the door (104) and to keep free the opening (5) for the insertion of the actuator (6), passing through the slot (11), and the locking of the rotation of the arm (7) in the closed configuration of the door (104).

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