Title (en)

SAFETY DEVICE FOR BOILER COMPRISING A TIME DELAY PROTECTED BY AN ELECTRONIC CIRCUIT

Title (de)

SICHERHEITSEINRICHTUNG FÜR EINE FEUERUNGSANLAGE MIT EINER VERZÖGERUNGSZEIT DURCH EINE ELEKTRONISCHE SCHALTUNG

Title (fr)

DISPOSITIF DE SECURITE POUR CHAUDIERE COMPRENANT UNE TEMPORISATION SECURISEE PAR UN CIRCUIT ELECTRONIQUE

Publication

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Application

EP 02738267 A 20020517

Priority

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- FR 0108988 A 20010706

Abstract (en)

[origin: WO03004936A1] The invention relates to a safety device for an industrial boiler (CHA) comprising electromechanical relays (REn, RS), which are connected in series in order to form an electromechanical safety chain (CH1), and at least one shunt relay (RTn) which is normally open and mounted in parallel to one of the electromechanical relays (REn). Said shunt relay is controlled by an automaton (API) so that it is closed during a time delay. According to the invention, the shunt relay (RTn) is provided with a contact that is connected to an electronic circuit (CEn) and said electronic circuit (CEn) opens an electromechanical relay (RS) which is mounted in series in the safety chain when the shunt relay (RTn) is closed for longer than the time delay. Given said arrangement, in the event of an automaton failure, the time delay is ensured by the electronic circuit so that a satisfactory level of safety is guaranteed in relation to the installation.

IPC 1-7

F23N 5/24; F23N 5/20

IPC 8 full level

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Citation (search report)

See references of WO 03004936A1

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