

Title (en)

SECURITY DEVICE FOR THE EMERGENCY DEACTIVATION OF AN ELECTRIC FLOW HEATER

Title (de)

SICHERHEITSVORRICHTUNG ZUM NOTABSCHALTEN EINES ELEKTRISCHEN DURCHLAUFERHITZERS

Title (fr)

DISPOSITIF DE SÉCURITÉ SERVANT À L'ARRÊT D'URGENCE D'UN CHAUFFE-EAU INSTANTANÉ ÉLECTRIQUE

Publication

EP 3571446 A1 20191127 (DE)

Application

EP 18704402 A 20180110

Priority

- DE 102017000438 A 20170119
- EP 2018050508 W 20180110

Abstract (en)

[origin: WO2018134092A1] The invention relates to a security device (1) for the emergency deactivation of an electric flow heater. The security device (1) has a contact (3) and a counter contact (4), which are configured to convey the current to supply the flow heater in a contacted state, and to interrupt the current supply of the flow heater in an open state. The security device (1) also has a retaining device for retaining the counter contact on a tension rod (7), wherein the tension rod (7) is configured to release the retaining device and the counter contact (4) from the contact (3), in order to interrupt a current supply of the flow heater. The contact (3) of the security device (1) is configured as a contact rivet, which is directly integrated into a board (2).

IPC 8 full level

F24H 1/10 (2006.01); **F24H 9/20** (2006.01); **H01H 37/00** (2006.01); **H05B 1/02** (2006.01)

CPC (source: EP US)

E03B 7/071 (2013.01 - US); **F24H 1/101** (2013.01 - EP US); **F24H 9/2007** (2013.01 - EP US); **F24H 9/2028** (2013.01 - EP US); **H01H 3/28** (2013.01 - EP); **H01H 37/52** (2013.01 - EP); **H01H 37/64** (2013.01 - EP); **H01H 71/08** (2013.01 - US); **H05B 1/0283** (2013.01 - EP US); **H01H 1/02** (2013.01 - EP); **H01H 1/023** (2013.01 - EP); **H01H 1/04** (2013.01 - EP); **H01H 71/24** (2013.01 - US); **H01H 2037/526** (2013.01 - EP); **H01H 2201/024** (2013.01 - US); **H01H 2203/004** (2013.01 - US); **H01H 2207/02** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102017000438 A1 20180719; CN 110249188 A 20190917; CN 110249188 B 20210601; EP 3571446 A1 20191127; EP 3571446 B1 20210512; PL 3571446 T3 20211122; PT 3571446 T 20210705; US 11152177 B2 20211019; US 2019341212 A1 20191107; WO 2018134092 A1 20180726

DOCDB simple family (application)

DE 102017000438 A 20170119; CN 201880007510 A 20180110; EP 18704402 A 20180110; EP 2018050508 W 20180110; PL 18704402 T 20180110; PT 18704402 T 20180110; US 201816479322 A 20180110