

Title (en)  
HMI SYSTEM WITH A MOBILE CONTROL AND MONITORING DEVICE FOR SECURITY-RELEVANT OPERATIONS IN A TECHNICAL SYSTEM

Title (de)  
HMI SYSTEM MIT EINEM MOBILEN BEDIEN- UND BEOBACHTUNGSGERÄT FÜR SICHERHEITSRELEVANTE BEDIENTUNGEN AN EINER TECHNISCHEN ANLAGE

Title (fr)  
SYSTEME HMI DOTE D'UN APPAREIL DE COMMANDE ET D'OBSERVATION MOBILE POUR DES COMMANDES DE SECURITE D'UNE INSTALLATION TECHNIQUE

Publication  
**EP 1665191 A1 20060607 (DE)**

Application  
**EP 04764393 A 20040823**

Priority  
• EP 2004009412 W 20040823  
• DE 10343251 A 20030917

Abstract (en)  
[origin: WO2005036492A1] The HMI system is provided with a mobile control and monitoring device for automation components of a technical system. It comprises means for contactless data transmission between the mobile control and monitoring device and the automation components, a manual device for triggering or blocking security relevant operations of the technical system and means for locating the mobile control and monitoring device. Evaluation means are provided for managing an active operational area and which activate the automation components for security-relevant operations of the technical system via the mobile control and monitoring device solely when the manual device is released and the locating means detect that the mobile control and monitoring device is located inside the active operational area, the advantage thereof being that manual triggering of security-relevant operations by an operator is the condition upon which they can be activated via the mobile control and monitoring device. If the manual device is placed directly on the housing of the technical system, for example, an operator has to approach in such a way that he/she enters the active operational area in a secure manner. .

IPC 1-7  
**G08C 17/02**

IPC 8 full level  
**G06F 40/00** (2020.01); **G08C 17/02** (2006.01)

CPC (source: EP US)  
**G08C 17/02** (2013.01 - EP US); **G08C 2201/91** (2013.01 - EP US)

Citation (search report)  
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