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## (54) Safety switch apparatus

(57) A safety switch apparatus for a work zone protection barrier, comprising a box-like body (B) designed to be mounted to the stationary part (F) of the barrier (B) and having a first slit (5), a switching circuit located in said box-like body (4) and designed to be connected to the power supply circuit of the machine or equipment, the switching circuit being operable through said first slit (5), an actuator (6) designed to be associated with the door (P) of the barrier (B) and to be introduced in the first slit (5) for interaction with the switching circuit, a second slit (7) formed in the box-like body (4), and adapted to receive a pin (8) attached to the door (P), for centering and guiding it into the first slit (5). Means (9) are provided for blocking said second slit (7) in open door (P) conditions, with the actuator (6) not inserted in the first slit (5) and the power supply circuit being open.

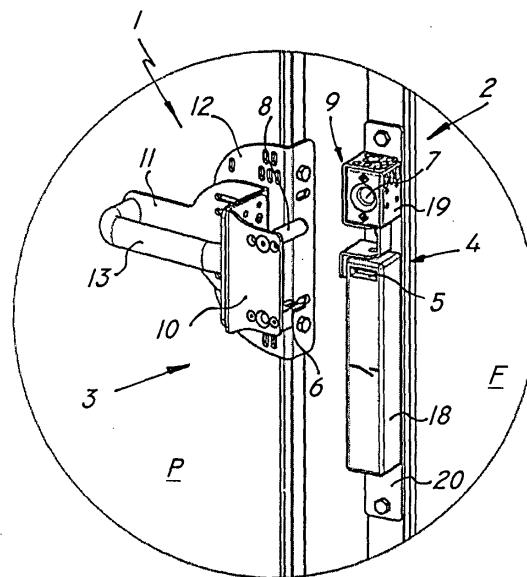


FIG. 2



## EUROPEAN SEARCH REPORT

Application Number  
EP 08 01 0513

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A,D	<p>EP 1 013 985 A2 (GUNNEBO TROAX AB [SE]) 28 June 2000 (2000-06-28) * abstract; figure 11 *</p> <p>-----</p>	1-15	<p>INV. H01H27/00</p> <p>TECHNICAL FIELDS SEARCHED (IPC)</p> <p>H01H</p>
The present search report has been drawn up for all claims			
1	Place of search	Date of completion of the search	Examiner
	Munich	23 July 2010	Simonini, Stefano
<b>CATEGORY OF CITED DOCUMENTS</b> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... &amp; : member of the same patent family, corresponding document</p>			

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 01 0513

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

23-07-2010

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