

Title (en)  
SAFETY DEVICE FOR A HANDLING APPARATUS, IN PARTICULAR AN INDUSTRIAL ROBOT, AND METHOD FOR OPERATING THE SAFETY DEVICE

Title (de)  
SICHERUNGSEINRICHTUNG FÜR EINE HANDHABUNGSVORRICHTUNG, INSBESONDERE EINEN INDUSTRIEROBOTER, SOWIE VERFAHREN ZUM BETREIBEN DER SICHERUNGSEINRICHTUNG

Title (fr)  
DISPOSITIF DE SÉCURITÉ POUR UN MANIPULATEUR, EN PARTICULIER UN ROBOT INDUSTRIEL, ET PROCÉDÉ POUR FAIRE FONCTIONNER LE DISPOSITIF DE SÉCURITÉ

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Application  
**EP 11794157 A 20111209**

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Abstract (en)  
[origin: WO2012080130A1] The invention relates to a safety device (50) for a handling apparatus (10), in particular an industrial robot (100), having at least one movable gripper arm (15) and a gripping device (16, 17) arranged on the gripper arm (15), and also having a first sensor device (51) for collision detection, said first sensor device (51) being assigned at least to the gripper arm (15) and coupled to a control device (20), wherein the first sensor device (51) has a first detection range (55), and having a second sensor device (52) which is connected to the control device (20) and has a second detection range (58), wherein the second detection range (58) detects a region which is at a greater distance from the handling device (10) than the first detection range (55). According to the invention, it is provided that the two detection ranges (55, 58) extend beyond the handling apparatus (10).

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Citation (search report)  
See references of WO 2012080130A1

Citation (examination)  
• DE 102005003492 A1 20060803 - SICK AG [DE]  
• DE 10000287 A1 20010719 - LEUZE LUMIFLEX GMBH & CO [DE]  
• EP 2083209 A1 20090729 - SICK AG [DE]

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