Title (en)
ARMBAND BASED SYSTEMS AND METHODS FOR CONTROLLING WELDING EQUIPMENT USING GESTURES AND LIKE MOTIONS

Title (de)
ARMBANDBASIERTE SYSTEME UND VERFAHREN ZUR STEUERUNG VON SCHWEISSAUSRÜSTUNG UNTER VERWENDUNG VON GESTEN UND ÄHNLICHEN BEWEGUNGEN

Title (fr)
SYSTÈMES FAISANT APPEL À UN BRASSARD ET PROCÉDÉ DE COMMANDE D'UN ÉQUIPEMENT DE SOUDAGE BASÉ SUR LES MOUVEMENTS DE GESTES ET ANALOGUES

Publication
EP 3271104 A1 20180124 (EN)

Application
EP 16705609 A 20160119

Priority
• US 201514659853 A 20150317
• US 2016013867 W 20160119

Abstract (en)
[origin: WO2016148772A1] Portable, wearable or integrate-able devices may be used in detecting gestures or motions by operators of welding systems, and performing actions based thereon. The detection may be performed using sensors (e.g., MEMS or muscle sensors), which generate sensory data. The detected gestures or motions may be processed and translated into corresponding actions or commands, which may be handled directly or communicated to other devices in the welding systems. The actions or commands may comprise welding actions/commands, which are configured for controlling a particular component used during welding operations, and/or gesture-related actions/commands, which are configured for controlling gesture-related components and/or operations. Feedback is provided to the operator, such as to acknowledge or validate detection of the gestures, to identify the corresponding action or command, and to complete the identified action or command. The feedback may be non-visual feedback, such as haptic or audio feedback.

IPC 8 full level
B23K 9/095 (2006.01); **B23K 9/10** (2006.01); **G06F 3/03** (2006.01)

CPC (source: EP)
B23K 9/0956 (2013.01); **B23K 9/1087** (2013.01); **G06F 1/163** (2013.01); **G06F 1/1694** (2013.01); **G06F 3/016** (2013.01); **G06F 3/017** (2013.01)

Citation (search report)
See references of WO 2016148772A1

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Designated extension state (EPC)
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DOCDB simple family (publication)
WO 2016148772 A1 20160922; CN 107635710 A 20180126; CN 107635710 B 20200519; EP 3271104 A1 20180124

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