

Title (en)

INTEGRATION OF A RISK ASSESSMENT OF A COLLISION BETWEEN A ROBOTIC DEVICE AND A HUMAN OPERATOR

Title (de)

INTEGRATION EINER RISIKOBEURTEILUNG EINER KOLLISION ZWISCHEN EINEM ROBOTISCHEN GERÄT UND EINER MENSCHLICHEN BEDIENPERSON

Title (fr)

INTÉGRATION D'ÉVALUATION DE RISQUE DE COLLISION ENTRE UN DISPOSITIF ROBOTIQUE ET UN OPÉRATEUR HUMAIN

Publication

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Application

EP 22758199 A 20220728

Priority

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Abstract (en)

[origin: WO2023006888A1] The invention relates to the integration of a risk assessment of a collision between a robotic device (26) and a human operator into a controller (20) thereof, comprising: a) an assessment module (23) reading (19) command data (24) from a program module (21); b) the assessment module reading (2) machine data (25) specifying the robotic device from a control module (22); c) the assessment module determining (8) at least one hazard risk on the basis of the read data and a saved associated risk profile (k, k+1), which contains necessary information for determination of the hazard risk; d) classifying (9) the hazard risk; depending thereon: i) determining (10) measure(s) (27, 28) for reducing the hazard risk and outputting (11) these measure(s) for selection by a user, or (ii) outputting an alert; f) after selection (12) of a measure: the assessment module outputting (13) a control signal for implementing the selected measure(s) in the program module and/or in the control module.

IPC 8 full level

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