

Title (en)

IMPACT DETECTION SYSTEM FOR ROBOTIC DEVICE

Title (de)

STOSSDETEKTIONSSYSTEM FÜR ROBOTISCHE VORRICHTUNG

Title (fr)

SYSTÈME DE DÉTECTION D'IMPACT POUR DISPOSITIF ROBOTIQUE

Publication

**EP 3086910 A1 20161102 (FR)**

Application

**EP 14823998 A 20141223**

Priority

- FR 1363611 A 20131226
- EP 2014079146 W 20141223

Abstract (en)

[origin: WO2015097215A1] The invention relates to an impact detection system for a robotic device. According to the invention, said system comprises: a flexible covering element (10) for enveloping part of said robotic device, said covering element (10) defining an inner air volume; at least one sensor (12) for measuring the differential pressure between the pressure in said inner air volume and the pressure outside said covering element (10); and a detection unit (13) designed to receive the measuring signal of said at least one sensor (12), to carry out an analysis, on the basis of said measuring signal, in order to detect a sudden variation in said pressure, and to emit a stop signal to said robotic device when such a variation is detected.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2015097215A1

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