

Title (en)

CONTACT-VIA-CHAIN AS CORROSION DETECTOR

Title (de)

KONTAKTVIAKETTE ALS KORROSIONSDETEKTOR

Title (fr)

CHAÎNE DE CONTACTS ET DE TROUS MÉTALLISÉS EN TANT QUE DÉTECTEUR DE CORROSION

Publication

EP 3295476 A1 20180321 (DE)

Application

EP 16721171 A 20160509

Priority

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- EP 2016060286 W 20160509

Abstract (en)

[origin: WO2016180756A1] The invention relates to a detector (100) for determining a faulty semiconductor component (101), comprising a semiconductor component (101), a contact-via-chain (102) which is arranged laterally at a distance to the semiconductor component (101) and surrounds the semiconductor component (101) in some regions, a guard ring (103) which is arranged laterally at a distance to the semiconductor component (101), and an evaluation unit (104) which is arranged on the semiconductor component (101), characterised in that the evaluation unit (104) is configured to apply an electrical voltage to the contact-via-chain (102), in particular a permanent electrical voltage, to determine a resistance value of the contact-via-chain (102) and to generate an output signal, if the resistance value of the contact-via-chain (102) exceeds a threshold value.

IPC 8 full level

H01L 21/66 (2006.01); **H01L 23/58** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2016180756A1

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