

Title (en)

Wire bow monitoring system for a wire saw

Title (de)

Drahtbogenüberwachungssystem für eine Drahtsäge

Title (fr)

Système de surveillance de cintrage de fils pour une scie à fil

Publication

EP 2708342 B1 20170503 (EN)

Application

EP 12184353 A 20120914

Priority

EP 12184353 A 20120914

Abstract (en)

[origin: EP2708342A1] A wire bow monitoring system (10) for a semiconductor wire saw device (100) is described. The wire bow monitoring system (10) includes a sensor arrangement (20) configured to be positioned adjacent to a wire (30) of the wire saw device (100), wherein the sensor arrangement (20) is adapted to detect a bow of the wire (30), wherein the sensor arrangement (20) includes at least one of an inductive sensor (22), a capacitive sensor (22) and a contact sensor (22).

IPC 8 full level

B28D 5/00 (2006.01); **B28D 5/04** (2006.01)

CPC (source: EP)

B28D 5/0064 (2013.01); **B28D 5/045** (2013.01)

Citation (examination)

DATABASE WPI Section PQ Week 201276, Derwent World Patents Index; Class P64, AN 2012-P43366, "Multi-wire cutting machine with wire arc detectors" & CN 202428570 U 20120912 - SUZHOU GCL SOLAR TECHNOLOGY CO LTD

Cited by

FR3090432A1; WO2020120777A1; FR3026035A1; CN106891451A; CN105984041A; US2016243725A1; CN113334595A; EP2954965A1; EP3015238A1; CN105984042A; WO2015188859A1; WO2014167392A1; WO2016046107A1; WO2023094155A1; FR3129627A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2708342 A1 20140319; EP 2708342 B1 20170503; CN 103676770 A 20140326; CN 203204380 U 20130918; JP 2014060397 A 20140403

DOCDB simple family (application)

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