

Title (en)
Wire saw control system and wire saw

Title (de)
Drahtsägensteuerungssystem und Drahtsäge

Title (fr)
Système de commande de scie à fil et scie à fil

Publication
EP 2586582 A1 20130501 (EN)

Application
EP 11187049 A 20111028

Priority
EP 11187049 A 20111028

Abstract (en)
A wire saw control system (1) for operating a wire saw (100) is provided. The wire saw is adapted for cutting a wafer (304, 304, 306, 308) by moving the wire (230) relatively to the wafer with a selectable wire speed. The wire saw control system includes a camera (20) for inspecting the wire, and a camera control unit (25) for operating the camera in dependence of the wire speed. Furthermore, a wire saw including the wire saw control system is provided, and a method for inspecting a wire of a wire saw. The method includes moving the wire with a variable wire speed; and inspecting the wire in dependence of the wire speed, thereby obtaining an inspection result.

IPC 8 full level
B28D 5/00 (2006.01)

CPC (source: EP)
B28D 5/0064 (2013.01); **B28D 5/045** (2013.01)

Citation (search report)
[A] WO 2011070386 A1 20110616 - APPLIED MATERIALS INC [US], et al

Cited by
EP3659734A1; FR3088838A1; FR3115485A1; FR3040318A1; US2022040882A1; WO2015188859A1; WO2017036888A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2586582 A1 20130501; **EP 2586582 B1 20170301**; CN 103085185 A 20130508; CN 103085185 B 20160706; CN 202685120 U 20130123; JP 2013094959 A 20130520

DOCDB simple family (application)
EP 11187049 A 20111028; CN 201110459141 A 20111223; CN 201120560605 U 20111223; JP 2012237407 A 20121029