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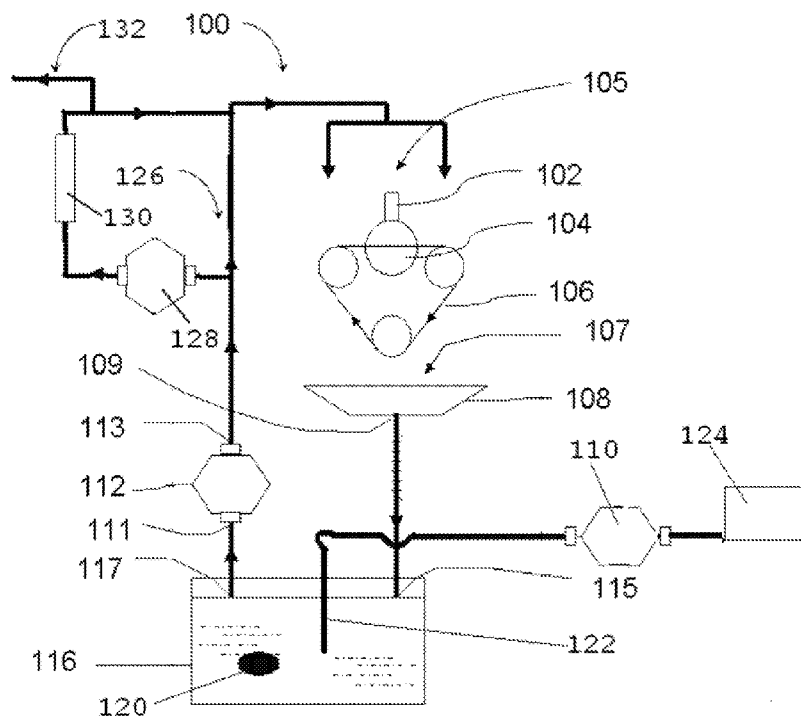
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(54) Title: WIRESAW CUTTING METHOD

FIG. 1



(57) Abstract: The present invention provides a wiresaw cutting method comprising cutting a workpiece with a wiresaw while applying an aqueous cutting fluid to the wiresaw from a recirculating reservoir of cutting fluid, monitoring at least one of a chemical property, a physical property, or both, and adjusting the chemical composition of the cutting fluid while cutting the workpiece to maintain the property being monitored. The present invention additionally provides an apparatus to perform the inventive method.



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**A. CLASSIFICATION OF SUBJECT MATTER*****H01L 21/302(2006.01)i, H01L 31/042(2006.01)i***

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

H01L 21/302; B23D 1/04; B23D 25/02; B24B 27/06; B24B 57/02; B28D 1/06; B28D 1/08; B28D 7/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) &amp; Keywords: cut\*,wiresaw, chemical, fluid, method

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 11-010511 A (NIPPEI TOYAMA CORP.) 19 January 1999 See claims 1-3	1-15
A	US 6234160 B1 (NAGATSUKA; SHINJI et al.) 22 May 2001 See claim1; column3, lines 21-28	1-15
A	US 6422067 B1 (OISHI; HIROSHI et al.) 23 July 2002 See claim1	1-15
A	US 2002-0174861 A1 (HOLGER LUNDT et al.) 28 November 2002 See claims 1,5	1-15



Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents:

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"&amp;" document member of the same patent family

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

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