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[Continued on next page]

(54) Title: APPARATUSES METHODS FOR COOLANT DELIVERY

(57) Abstract: In various embodiments, a coolant delivery apparatus is presented. Namely, a coolant delivery apparatus comprises a plurality of internal channels configured to provide coolant to the work face of a grinding wheel.

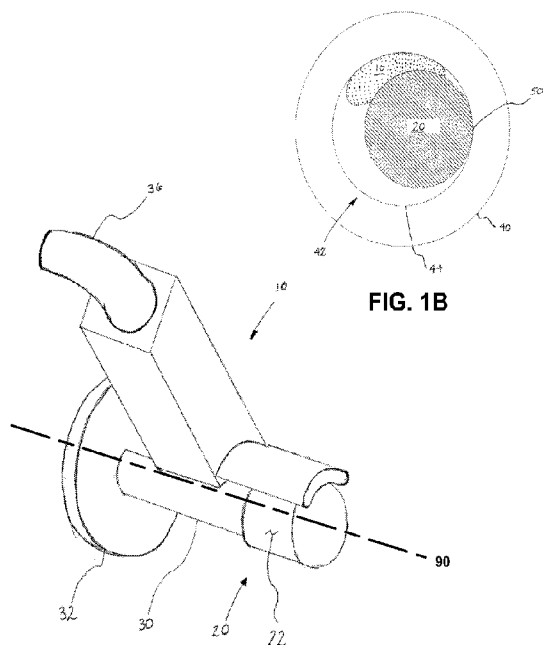


FIG. 1A

FIG. 1B



-
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*
 - *upon request of the applicant, before the expiration of the time limit referred to in Article 21(2)(a)*

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2011/040123**A. CLASSIFICATION OF SUBJECT MATTER****B24B 55/02(2006.01)i, B24B 31/12(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

B24B 55/02; B24B 51/00; B24B 33/00; B28B 7/00; B28B 7/42; B24B 1/00

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) & Keywords: coolant, fluid, delivery, supply, nozzle, inject, grinding

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006-0040584 A1 (CHARLES RAY et al.) 23 February 2006 See the abstract, claims and figures.	1,3-4, 19, 22-23, 26
X	US 2009-0146042 A1 (IHLE JAN et al.) 11 June 2009 See the abstract, claims and figures.	13
A	US 2004-0072513 A1 (JOHN, A. WEBSTER) 15 April 2004 See the abstract, claims and figures.	1-26
A	US 6186872 B1 (KIMURA; NORIO et al.) 13 February 2001 See the abstract, claims and figures.	1-26

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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