Title: APPARATUS FOR CLAMPING DISK AND SPINDLE MOTOR HAVING THE SAME

Abstract: The disk clamp apparatus and a spindle motor having the same according to the present invention has an industrial applicability in that a radial force of a claw on a disk is greater than a radial force of an arm to the disk to prevent the radial force of the arm applying to the disk from affecting the disk, whereby matched center of the clamp body with a center of the disk by the claw is not affected by an arm, such that the center of the disk comes to have a relatively smaller deviation from the center and to thereby enhance the reliability of the product.
A. CLASSIFICATION OF SUBJECT MATTER

H02K 5/24(2006.01)i, G11B 17/028(2006.01)i, H02K 21/22(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)
H02K 5/24; H02K 21/22; H02K 7/065

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: spindle, motor, clamp

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<tr>
<td>A</td>
<td>KR 10-2008-0113035 A (LG INNOTEK CO., LTD.) 31 December 2008 See the abstract and figure 4.</td>
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<td>KR 10-2008-0105815 A (LG INNOTEK CO., LTD.) 04 December 2008 See the abstract and figure 3.</td>
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<td>JP 04-25554 A (NIPPON DENSAN CORP.) 07 September 1992 See the abstract and figure 1.</td>
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Further documents are listed in the continuation of Box C. See patent family annex.

Date of the actual completion of the international search
21 OCTOBER 2010 (21.10.2010)

Date of mailing of the international search report
22 OCTOBER 2010 (22.10.2010)

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<table>
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