Title: COMMON PROTOCOL ENGINE INTERFACE FOR A CONTROLLER INTERFACE

Abstract: A signal transmission system includes a controller interface, a protocol engine to convert data based on at least one protocol, and a common protocol interface coupled between the controller interface and the protocol engine. The controller interface includes or is coupled to a common dispatcher, and the data is to be transmitted between the controller interface and protocol engine through the common protocol interface and common dispatcher. The same protocol engine may convert data into different protocols, with all of the converted data being transmitted to or received from the controller interface through the common dispatcher and common protocol interface.
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- with international search report (Art. 21(3))
- 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))

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INTERNATIONAL SEARCH REPORT

PCT/ISA/210 (second sheet) (July 2009)

A. CLASSIFICATION OF SUBJECT MATTER

G06F 13/38(2006.01)i, G06F 13/42(2006.01)1, G06F 13/14(2006.01)1

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)
G06F 13/38; G06F 15/16; G06F 3/00; G06F 13/14; G06F 13/00

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: "multi*, plural*, different*", "protocol", "common", "interface"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
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<tbody>
<tr>
<td>A</td>
<td>See the abstract; paragraph [0026]; and figure 2.</td>
<td>4-16, 20</td>
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<td>A</td>
<td>See the abstract; paragraph [0031]; claims 1-6; and figure 2.</td>
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<td>A</td>
<td>US 6973516 B1 (PETER M. ATHANAS et al.) 06 December 2005</td>
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<td>A</td>
<td>See the abstract; column 4, line 34 - column 6, line 49; and figure 3.</td>
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<td>A</td>
<td>US 2009-0113064 A1 (YAMAKI MASAHIKE) 30 April 2009</td>
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<td>See the abstract; paragraphs [0034][0037], [0057][0062], [0079][0081]; and figures 3-4, 8, 11-12.</td>
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□ 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

Date of the actual completion of the international search: 11 SEPTEMBER 2012 (11.09.2012)

Date of mailing of the international search report: 19 SEPTEMBER 2012 (19.09.2012)

Name and mailing address of the ISA/KR

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<tr>
<td>US 6973516 B1</td>
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