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- (81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,

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[Continued on next page]

(54) **Title:** A SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR COLLECTING AND MANAGING ALLOY VERIFICATION

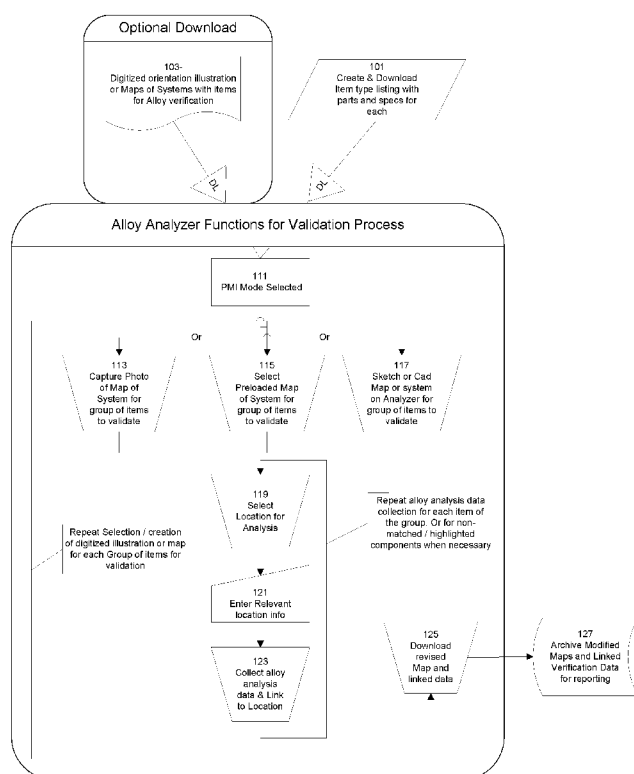


Figure 1

(57) **Abstract:** A system, method and computer program product include storing a representation of a mechanical system and an item type listing with parts and specifications for the parts. At least part of the representation comprising a group of parts to validate is displayed. A location of a part on the displayed representation is selected for analysis. An item type of the selected location is selected and linked to the selected location for determining analysis requirements. Analysis data from an alloy analyzer and specifications of the part is linked to the selected location of the displayed representation. On the displayed representation, a mismatch between analysis data and specifications is indicated, thereby transforming the representation to a representation comprising at least the analysis data and the specifications.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2010/032852**A. CLASSIFICATION OF SUBJECT MATTER****G05B 19/18(2006.01)i, G05B 19/05(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)

G05B 19/18; G06F 3/048; G06F 17/00; G06F 3/00; G06F 17/60; A63F 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: representation, part location, link, select

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5884315 A1 (CHESTER F. DUNN) 16 March 1999 See abstract; column5 line26 - column8 line39; claim 1 and figures 1,2,3.	1-20
A	US 7360158 B1 (BONNIE BEEMAN) 15 April 2008 See abstract; column2 line36 - line51; claim 1 and figure 3.	1-20
A	US 2004-0254864 A1 (MINORU MITSUOKA et al.) 16 December 2004 See abstract; paragraph29 - paragraph30; paragraph37 - paragraph41; paragraph46 - paragraph51 and figures 1,4,8.	1-20
A	US 2003-0109308 A1 (RICK ROWE) 12 June 2003 See abstract; paragraph83 - paragraph91 and figure 3.	1-20
A	US 2003-0050871 A1 (W. CURTIS BROUGHTON) 13 March 2003 See abstract; paragraph106 - paragraph123 and figures 6,7.	1-20

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

* Special categories of cited documents:

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"E" earlier application or patent but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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