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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, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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Declarations under Rule 4.17:

— as to the identity of the inventor (Rule 4.17(i))

[Continued on next page]

(54) **Title:** WARNING AND MESSAGE DELIVERY AND LOGGING SYSTEM UTILIZABLE IN THE MONITORING OF FALL ARRESTING AND PREVENTION DEVICES AND METHOD OF SAME

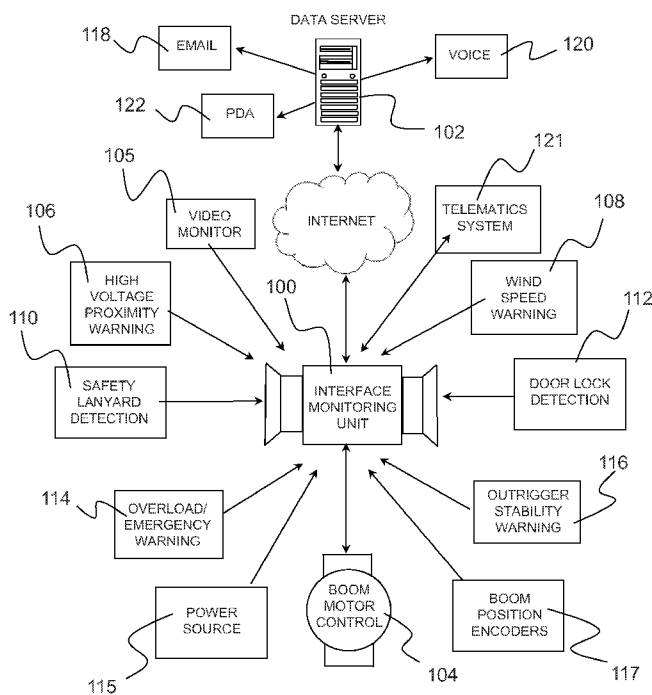


FIG. 1

(57) **Abstract:** An active interface monitoring and warning system for fall arresting/ prevention devices delivering specific fault condition messages to individuals who are subject to accidental falls or other safety hazards when performing construction or the like or when operating elevating construction machinery such as aerialift work platforms and the like. The invention further provides a data logging system to record and transmit operational conditions, fault conditions and safety infractions.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/024481**A. CLASSIFICATION OF SUBJECT MATTER****G08B 21/02(2006.01)i, G08B 25/08(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)

G08B 21/02; G06F 15/16; E04G 1/00; B66F 11/04

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: "aerial lift apparatus, personnel support platform, interface monitoring unit, condition detector, data server"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 04456093 A (DAVID R. FINLEY et al.) 26 June 1984 See abstract; column 4, lines 5-10, column 9, lines 1-24; figures 1, 2.	1-20
A	US 2008-0155064 A1 (KOSUGE ROY et al.) 26 June 2008 See abstract; paragraph [0042]; figures 1, 3.	1-20
A	US 2002-0144862 A1 (DAVID P. ENGVALL et al.) 10 October 2002 See abstract; paragraph [0036]; figures 1, 2.	1-20
A	US 2003-0174064 A1 (TERUO IGARASHI et al.) 18 September 2003 See abstract; paragraphs [0031], [0035]; figures 1, 4A.	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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"O" document referring to an oral disclosure, use, exhibition or other means

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"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

26 OCTOBER 2012 (26.10.2012)

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29 OCTOBER 2012 (29.10.2012)

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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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US 2008-0155064 A1	26.06.2008	US 2006-0181425 A1 US 2007-0103324 A1 US 7002481 B1 US 7342504 B2 US 7626508 B2 US 7768413 B2	17.08.2006 10.05.2007 21.02.2006 11.03.2008 01.12.2009 03.08.2010
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