(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
6 March 2003 (06.03.2003)

PCT

(10) International Publication Number
WO 03/019302 A3

(51) International Patent Classification[7]: G05B 19/19, 24/00

(21) International Application Number: PCT/IB02/03727

(22) International Filing Date: 21 August 2002 (21.08.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0120747.1 25 August 2001 (25.08.2001) GB

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(81) Designated States *(national)*: JP, US.

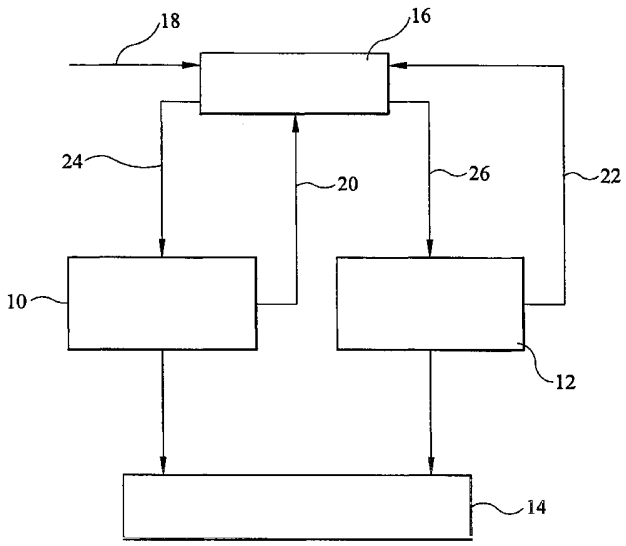
(84) Designated States *(regional)*: European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR).

Published:
— *with international search report*

(88) Date of publication of the international search report:
20 November 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HYBRID CONTROL SYSTEM



(57) Abstract: A hybrid actuation system comprises first and second actuator arrangements (10, 12) arranged to apply first and second output loads respectively to a common element (14). A control method for controlling the operation of the hybrid actuation system includes the steps of supplying first and second demand signals to the first and second actuator arrangements (10, 12) respectively to cause movement of the common element (14) into a demanded position, monitoring the first and second output loads applied by the first and second actuator arrangements (10, 12) and generating an output signal indicative of the difference between the first and second output loads. The first and second demand signals are corrected in response to the output signal to compensate for any difference between the first and second output loads, thereby to ensure the first and second output loads applied to the common element (14) are substantially identical and synchronised.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 02/03727

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G05B19/19 G05B24/00

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)
IPC 7 G05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 074 495 A (RAYMOND EUGENE T) 24 December 1991 (1991-12-24) column 4, line 43 -column 8, line 15; figures 1--4 ---	1-4, 11-15
X	EP 0 321 758 A (LUCAS IND PLC) 28 June 1989 (1989-06-28) column 2, line 21 -column 8, line 39; figures 1-6 ---	1-4, 11-15
X	US 6 206 329 B1 (GAUTIER JEAN-PIERRE ET AL) 27 March 2001 (2001-03-27) column 6, line 66 -column 10, line 57; figures 2,6 --- -/--	1-4, 11-15

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
22 August 2003	01/09/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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