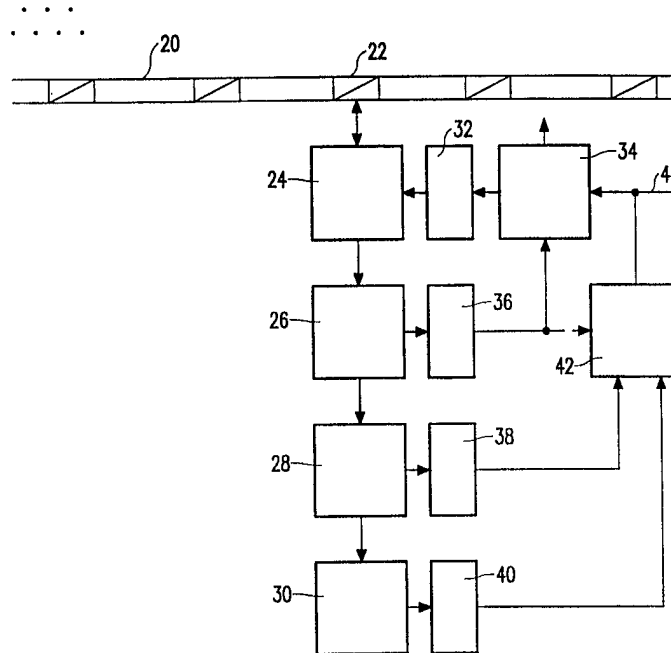




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(54) Title: METHOD AND SYSTEM FOR ASSESSING A MEASUREMENT PROCEDURE AND MEASUREMENT-INDUCED UNCERTAINTIES ON A BATCHWISE MANUFACTURING PROCESS OF DISCRETE PRODUCTS



(57) Abstract

For assessing a measurement procedure on a batchwise executed manufacturing process of discrete products, inclusive of assessing measurement-induced uncertainties pertaining to said procedure, the following steps are executed: periodically selecting a product item from the batch; repeatedly accessing each selected item, thereby deriving measured parameter values; for each item, calculating spread values and other statistical properties in a first statistics calculating module (26); for each batch, calculating mean averages and other statistical properties in a second statistics calculating module (28); executing statistical process control.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 97/01141

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: G01R 31/01, G05B 19/418
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)

IPC6: G01R, G05B

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

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5239456 A (PAUL C. BADAVALS ET AL), 24 August 1993 (24.08.93), column 1, line 44 - column 3, line 20, figure 1 --	1-7
A	US 5440478 A (GARY FISHER ET AL), 8 August 1995 (08.08.95), see the whole document --	1-7
A	US 5327437 A (RAYMOND J. BALZER), 5 July 1994 (05.07.94), column 3, line 36 - column 4, line 8 -----	1-7

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Date of the actual completion of the international search

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Information on patent family members

02/04/98

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5239456 A	24/08/93	AT 128253 T DE 69113164 D,T EP 0469771 A,B JP 5324006 A US 5150289 A	15/10/95 30/05/96 05/02/92 07/12/93 22/09/92
US 5440478 A	08/08/95	NONE	
US 5327437 A	05/07/94	NONE	