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[Continued on next page]

(54) Title: HANDHELD FIELD MAINTENANCE TOOL WITH PROCESS COMMUNICATION TUNNEL

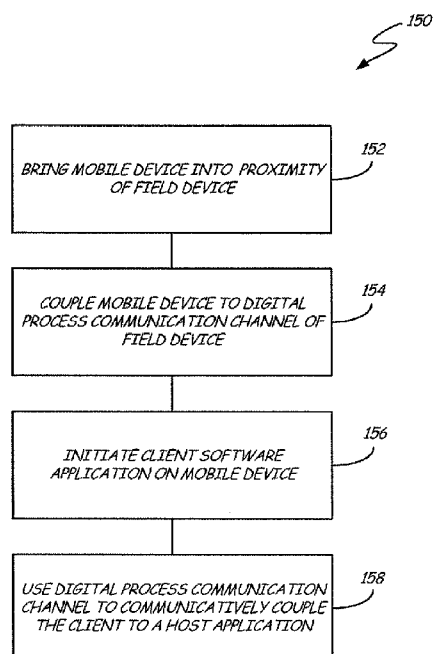


FIG. 5

(57) Abstract: A method (150) of interacting with a process control system is provided. The method (150) includes bringing a mobile electronic device into physical proximity of a field device (152). The mobile electronic device is coupled to a digital process communication channel of the field device (154). A client software application is initiated on the mobile electronic device (156). The digital process communication channel is used to communicatively couple the client software application to a host application remote from both the mobile electronic device and the field device (158).



TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

INV. G05B19/042

ADD.

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

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 practicable, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 560 513 B2 (KRAUSE KENNETH W [US] ET AL) 6 May 2003 (2003-05-06) paragraph [0010] - paragraph [0011] paragraph [0020] - paragraph [0060] figures 1-7 -----	1-20

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Further documents are listed in the continuation of Box C.

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See patent family annex.

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"&" document member of the same patent family

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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
US 6560513	B2	06-05-2003	NONE
