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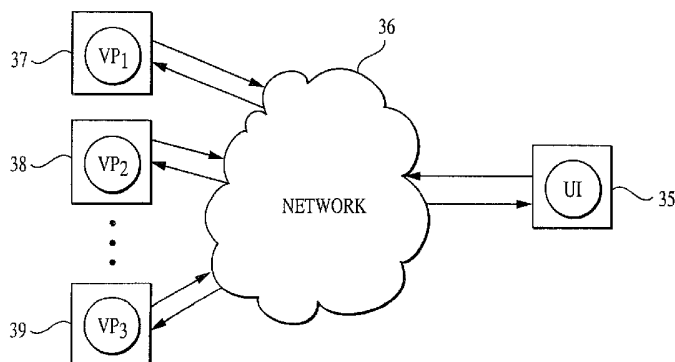
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM FOR INITIATING COMMUNICATION BETWEEN A USER INTERFACE AND A VISION PROCESSOR

UI CONNECTING TO MANY VPS VIA A NETWORK



(57) Abstract: A method is disclosed for instructing a user interface (UI) in communication with a first of vision processor (VP) to establish communication with a second (VP). The invention is useful in a machine vision system having a plurality of VPs and at least one UI. The method includes the steps of providing each VP with a link function for establishing communication between a VP and a UI; and activating the link function so as to issue instructions to the UI to establish communication with another VP. The link function enables local dynamic display of a remote VP on the UI, and a dynamic connection that provides a continually updated display representing a current state of the VP connected to the UI. An operator may observe results and alter parameters on any of the VPs in the system without having to first understand the architecture of the machine vision system.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F3/00 H04L29/06 G06F9/44

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)

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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, PAJ, IBM-TDB, COMPENDEX, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 058 434 A (WILT ET AL.) 2 May 2000 (2000-05-02) column 1, line 16 -column 2, line 15; claims 1,5,8,9 ---	1,17-25, 30-34
A	US 5 481 712 A (SILVER ET AL.) 2 January 1996 (1996-01-02) column 3, line 21 -column 7, line 11; figures 1-3 ---	1,17-20, 23,30
A	WO 99 48000 A (ACUITY IMAGING LLC) 23 September 1999 (1999-09-23) page 2, line 20 - line 22 page 3, line 17 -page 6, line 24; figures 8A-8C --- -/--	30-32



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 11445 A (COGNEX CORP.) 15 February 2001 (2001-02-15) page 20, line 1 - line 13 page 23, line 15 - line 33; figures 1-12 -----	26

INTERNATIONAL SEARCH REPORT

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