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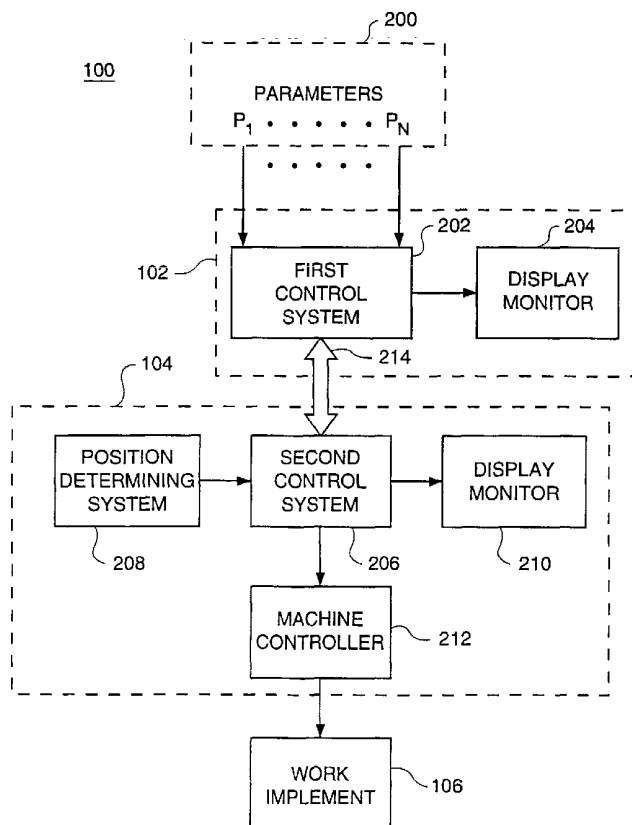
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(54) Title: COMPUTER-AIDED FARMING SYSTEM AND METHOD



(57) Abstract: A computer-aided farming system (100) is disclosed having a first control system (202) which receives data defining a plurality of parameters (200). The first control system (202) responsively determines a plurality of nodes (406) located at an agricultural field (108), and determines a condition status associated with each node (406). The system (100) also has a second control system (206) located on an agricultural machine (104) which receives data defining the nodes (406) and the condition status at each node (406). The second control system (206) then plans a path (404) as a function of the nodes (406), and determines a desired work operation relative to each node (406). A machine controller (212) controls the agricultural machine (104) to perform the desired work operation at each node (406).

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G05D A01B

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	EP 0 576 121 A (CHEM EQUIPMENT CO LTD AG) 29 December 1993 (1993-12-29) the whole document	1, 40, 50
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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.
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A	EP 0 821 296 A (CLAAS OHG) 28 January 1998 (1998-01-28) the whole document ----	1,40,50
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