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(54) Title: SYSTEMS AND METHODS FOR USE IN ASSESSING TREATMENT TRIALS IN AGRICULTURAL FIELDS

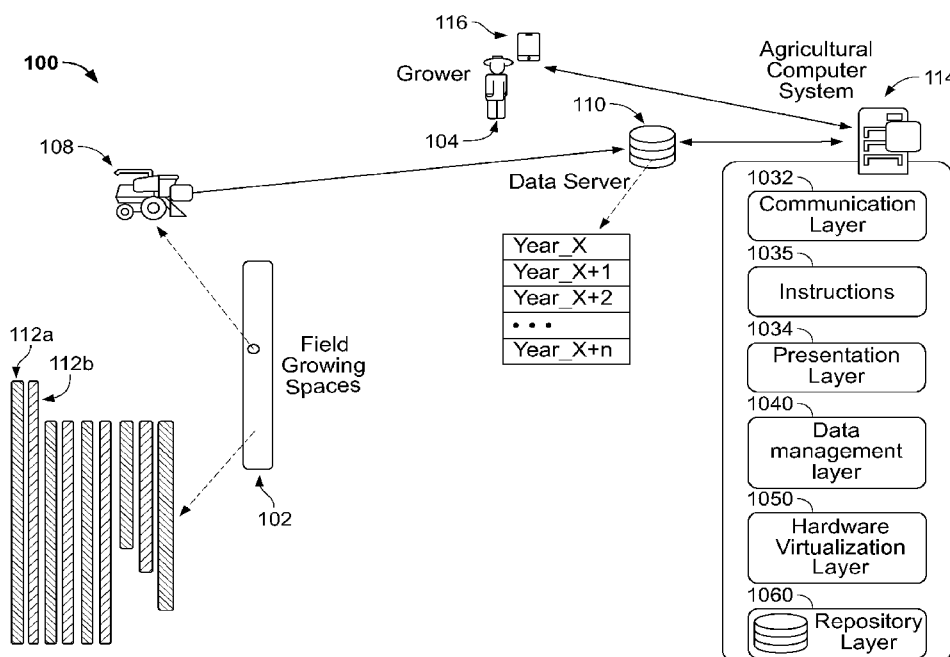


FIG. 1

(57) Abstract: Systems and methods for use in assessing a treatment trial in an agricultural field. One example method includes, for each of multiple treatment trials in agricultural fields, generating, by a computing device, a post-harvest trial block, based on multiple data layers associated with the agricultural field, where the post-harvest trial block defines an area of the agricultural field associated with the treatment trial; clustering, by a computing device, a training set of the post-harvest trial block based on one or more geospatial features of the areas of the post-harvest trial blocks; training, by the computing device, a model to indicate a label for a target post-harvest trial block based on the one or more geospatial features of an area of the target post-harvest trial block; and storing the label in a memory.

RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC - INV. G06N 3/0895, G06F 18/23, G06F 18/20 (2024.01)

ADD.

CPC - INV. G06N 3/0895, G06F 18/23, G06F 18/20

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)

See Search History document

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

See Search History document

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

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2020/0193589 A1 (THE CLIMATE CORPORATION) 18 June 2020 (18.06.2020), entire document, especially Fig. 2A, 16; para [0052], [0085], [0111], [0133], [0220], [0222]	1-3, 5, 6, 8-11, 13, 14, 16 -20
Y		4, 7, 12, 15
Y	US 2022/0274207 A1 (VERDANT ROBOTICS, INC.) 01 September 2022 (01.09.2022), entire document, especially para [0108]	4, 7, 12, 15
A	US 2023/0085005 A1 (SEEDX TECHNOLOGIES, INC.) 16 March 2023 (16.03.2023), entire document	1-20
A	US 2020/0342226 A1 (FARMERS EDGE INC.) 29 October 2020 (29.10.2020), entire document	1-20

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

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