Title (en)

METHOD AND SYSTEM FOR TRACKING, MONITORING AND PREDICTING THE HEALTH OF A PLANT HERITAGE

Title (de)

VERFAHREN UND SYSTEM ZUR VERFOLGUNG, ÜBERWACHUNG UND VORHERSAGE DES ZUSTANDS EINER PFLANZENAUFSTELLUNG

Title (fr)

PROCÉDÉ ET SYSTÈME DE SUIVI, DE SURVEILLANCE ET DE PRÉDICTION DE LA SANTÉ D'UN PATRIMOINE VÉGÉTAL

Publication

EP 4211457 A1 20230719 (FR)

Application

EP 21769520 A 20210906

Priority

- CH 11002020 A 20200907
- IB 2021058090 W 20210906

Abstract (en)

[origin: WO2022049552A1] Described are a method and a system for tracking, monitoring and predicting the health of a plant heritage (PV) comprising at least one specimen of a plant (A.1, A.2, A.3,...). Each specimen (A.i) constituting the plant heritage (PV) is equipped with a set of sensors (10.i, 10.1, 10.2, 10.3,...) for measuring a plurality of parameters representative of the state of health of the plant (A.i) or potentially affecting the health of the plant (A.i). The measurement data ({DATAA.i}) generated by each set of sensors (10.i) is communicated to a data collection center (100). A characterization of the state of health of each specimen (A.i) is performed using the measurement data ({DATAPV}) collected by the data collection center (100), in order to build a predictive model of the health of each specimen (A.i). An assessment of the state of health of each specimen (A.i) is made on the basis of the predictive model, and an alert is generated if the predictive model of the health of the specimen is indicative of a danger or other risk related to a worsening health of the specimen (A.i).

IPC 8 full level

G01N 33/00 (2006.01); **A01G 17/00** (2006.01); **G06Q 50/02** (2012.01)

CPC (source: CH EP)

A01G 17/005 (2013.01 - EP); **G01N 33/0098** (2013.01 - CH EP); **G06F 17/10** (2013.01 - CH); **G06Q 10/04** (2013.01 - EP); **G06Q 50/02** (2013.01 - CH EP); **G08B 21/18** (2013.01 - CH)

Citation (search report)

See references of WO 2022049552A1

Designated contracting state (EPC)

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