Title (en)
DATA PROCESSING OF IMAGES OF A CROP

Title (de)
DATENVERARBEITUNG VON BILDERN EINES ERNTEGUTS

Title (fr)
TRAITEMENT DE DONNÉES DES IMAGES D'UNE CULTURE VÉGÉTALE

Publication
EP 3642792 A1 20200429 (EN)

Application
EP 18721093 A 20180413

Priority
- GB 201709756 A 20170619
- GB 2018050985 W 20180413

Abstract (en)
[origin: GB2553631A] A method of processing images of a crop, particularly a cereal crop, is described. The method comprises retrieving a series of images of a crop captured over a period of time, selecting from the series of images one to serve as a reference and identifying in said image a reference system against which other images can be compared, the reference system including an extent of a crop plot and/or one or more reference points, such as height markers which may be a ranging pole. For each of at least one other image in the series of images, calibrating the image using the reference system, and determining a height of a canopy of the crop in the image, a main orientation of the crop and/or a value indicative of vegetative greenness. A quality measure may be made of the images in the sequence, possibly involving brightness, size of image file, sharpness or the proportion of dark areas in the image, to determine if an image is to be included in the images to be processed. The image capture device may be a camera and the images may be transferred to a processing unit via a wireless network with only images meeting the quality requirement being transferred.

IPC 8 full level
G06T 7/00 (2017.01)

CPC (source: EP GB)
G06T 7/0004 (2013.01 - EP); **G06T 7/001** (2013.01 - GB); **G06T 7/45** (2016.12 - EP); **G06T 7/60** (2013.01 - EP); **G06T 7/90** (2016.12 - EP); **G06T 7/97** (2016.12 - EP GB); G06T 2207/10016 (2013.01 - EP); G06T 2207/10024 (2013.01 - EP); G06T 2207/20076 (2013.01 - EP); G06T 2207/30188 (2013.01 - EP GB)

Citation (search report)
See references of WO 2018234733A1

Cited by
CN112712038A

Designated contracting state (EPC)
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BA ME

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GB 201709756 D0 20170802; **GB 2553631 A 20180314**; **GB 2553631 B 20191030**; EP 3642792 A1 20200429; WO 2018234733 A1 20181227

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