Title (en)
METHOD FOR INSPECTING A SURFACE

Title (de)
VERFAHREN ZUR INSPEKTION EINER OBERFLÄCHE

Title (fr)
PROCÉDÉ D'INSPECTION D'UNE SURFACE

Publication
EP 3580722 A1 20191218 (FR)

Application
EP 18707094 A 20180207

Priority
• FR 1751059 A 20170208
• FR 2018050304 W 20180207

Abstract (en)
[origin: WO2018146421A1] The invention concerns a method for inspecting a surface, in particular the hull of a boat, comprising the following steps: a) acquiring images in two-dimensions also comprising point clouds in three dimensions of a surface to be inspected from at least two stations situated in different positions, said images having at least one area of overlap, b) constructing, in three dimensions, said surface to be inspected in a reference frame from the various acquired images, c) displaying said surface to be inspected in three dimensions from one of said stations and defining at least a first area to be processed, d) displaying said first area to be processed according to another of said stations and determining at least a second area to be processed, e) associating each of said first and second areas to be processed with at least one processing weighting coefficient, said weighting coefficient enabling the state of said first and second areas to be processed to be categorised according to quantitative and/or qualitative factors, f) determining the surface areas of said first and second areas to be processed, and, g) obtaining, at least from said determined surface areas and said first and second areas to be processed, a total surface to be processed.

IPC 8 full level
G06T 7/00 (2017.01); **G06T 19/00** (2011.01)

CPC (source: EP)
G06T 7/0004 (2013.01); G06T 2207/10012 (2013.01); G06T 2207/10028 (2013.01); G06T 2207/30156 (2013.01)

Citation (search report)
See references of WO 2018146421A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 3062741 A1 20180810; **FR 3062741 B1 20200327**; EP 3580722 A1 20191218; WO 2018146421 A1 20180816

DOCDB simple family (application)
FR 1751059 A 20170208; EP 18707094 A 20180207; FR 2018050304 W 20180207