

Title (en)

METHOD FOR DETECTING AND TRACKING OBJECTS

Title (de)

VERFAHREN ZUR ERKENNUNG UND VERFOLGUNG VON OBJEKTEN

Title (fr)

PROCEDE POUR IDENTIFIER ET SUIVRE DES OBJETS

Publication

EP 1554606 A1 20050720 (DE)

Application

EP 03779976 A 20031118

Priority

- DE 10258794 A 20021216
- EP 0312903 W 20031118

Abstract (en)

[origin: WO2004055548A1] The invention relates to a method for detecting and tracking objects based on deep resolution images containing pixels of at least one object, captured over a period of time by at least one sensor for detecting electromagnetic radiation, in particular a laser scanner, in a detection zone of the sensor. According to said method the following steps are carried out in successive cycles: at least one current object outline is formed from the pixels of a current image; at least one object outline is predicted in the current cycle for objects in a preceding cycle, starting from the respective object outline that was assigned to the corresponding object in the previous cycle; and a current position is determined for at least one of the objects, from the current object outline and/or the speed of an object is determined from the current object outline and the object outline in a preceding cycle.

IPC 1-7

G01S 17/93

IPC 8 full level

G01S 3/786 (2006.01); **G01S 17/93** (2006.01); **G01S 17/931** (2020.01)

CPC (source: EP US)

G01S 3/7864 (2013.01 - EP US); **G01S 17/931** (2020.01 - EP US)

Citation (search report)

See references of WO 2004055548A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004055548 A1 20040701; AU 2003288104 A1 20040709; DE 10258794 A1 20040624; EP 1554606 A1 20050720; JP 2006510097 A 20060323; US 2006115113 A1 20060601

DOCDB simple family (application)

EP 0312903 W 20031118; AU 2003288104 A 20031118; DE 10258794 A 20021216; EP 03779976 A 20031118; JP 2004559698 A 20031118; US 53966105 A 20050614