

METHOD AND SENSOR SYSTEM FOR DETECTING OBJECTS

ABSTRACT

5 A method comprising the steps of: providing (S1) a surroundings detection sensor on
a tug, which is configured for manoeuvring a mobile object, continuously detecting
(S2) a region of an outer surface of the mobile object with the surroundings detection
sensor, continuously determining (S3) a position of a tug-bound system relative to the
mobile object based on a predetermined geometric model of an outer surface of the
10 mobile object and the detected region of the outer surface, wherein the steps of
detecting (S2) and determining (S3) are performed when the mobile object is
manoeuvred by the tug, and detecting (S4) objects in the surroundings of the mobile
object with the surroundings detection sensor based on the step of continuously
determining (S3) the position of the tug-bound system. Further a sensor system for
15 detecting objects in the surroundings of the sensor system and for providing on a tug.

Fig. 5