

Title (en)

OBJECT TRACKING USING A SINGLE SENSOR OR A PAIR OF SENSORS

Title (de)

OBJEKTVERFOLGUNG MIT EINEM EINZELNEN SENSOR ODER EINEM SENSORPAAR

Title (fr)

REPERAGE D'OBJET AU MOYEN D'UN DETECTEUR UNIQUE OU D'UNE PAIRE DE DETECTEURS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0167035A1] A method and system for tracking a moving object. The object (10) is provided with one or more single-component sensors of a vector field. Generators of the vector field (40, 40', 40'', 42, 42', 42'', 44, 44', 44'') also are provided. Parameters of equations that relate the generated fields, as measured by the sensors, to the position of the object, but not to the orientation of the object, are determined either empirically or theoretically. The equations are solved to determine the position of the object without having to determine the orientation of the object. The scope of the invention also includes a helical guide wire wherein are integrally included one or more single-component sensors of a quasi-static magnetic field.

IPC 1-7

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