

Title (en)

DETERMINING THE POSITION OF A MOVING OBJECT

Title (de)

POSITIONSBESTIMMUNG EINES BEWEGLICHEN OBJEKTES

Title (fr)

DETERMINATION DE LA POSITION D'UN OBJET MOBILE

Publication

EP 0959796 A1 19991201 (DE)

Application

EP 97923934 A 19970517

Priority

- CH 138796 A 19960603
- EP 9702544 W 19970517

Abstract (en)

[origin: WO9746168A1] The position locating system using infra-red (i/r) transmitters entailed the problem that there is a longer distance between the i/r light-emitting diodes on the microscope and the i/r receivers in the room. Outside influences produced by people or other causes on this distance can lead to interference in the system. It is the aim of the invention to prevent these interfering influences. The structure of the invention is therefore very compact. The position locating system consists of a microscope (1) and an imaging unit (3) secured directly to it. This eliminates distances which could lead to interference. The system is calibrated by means of a comparison body (5) to adjust it for use in the best possible way. Other image data (10) (e.g. MRI image data) may be superimposed on the microscope beam path by means of a computer (6). The field of observation thus obtained may be displayed on either the computer screen (7a) or an external monitor (7b).

IPC 1-7

A61B 19/00

IPC 8 full level

G02B 21/00 (2006.01); **A61B 5/055** (2006.01); **A61B 90/00** (2016.01); **A61B 90/20** (2016.01); **G02B 21/36** (2006.01)

CPC (source: EP US)

A61B 90/20 (2016.02 - EP US); **A61B 90/36** (2016.02 - EP US)

Citation (search report)

See references of WO 9746168A1

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

WO 9746168 A1 19971211; EP 0959796 A1 19991201; JP 2001525074 A 20011204; US 6081370 A 20000627

DOCDB simple family (application)

EP 9702544 W 19970517; EP 97923934 A 19970517; JP 50014198 A 19970517; US 14733098 A 19981203