

ABSTRACT

SURGICAL SIMULATION DEVICE

The surgical simulation device (10) comprises a real surgical instrument which comprises a functional element, which functional element can be activated according to at least two distinct operating states, a computing unit. It comprises an electronic system (16) connecting the real surgical instrument (12) to the computing unit, and a virtual surgical instrument connected to the computing unit. The virtual surgical instrument has a virtual functional element similar to that of the real surgical instrument (12). The real surgical instrument (12) provided with the electronic system (16) has substantially the same weight as a corresponding functional surgical instrument, the virtual functional element of the virtual surgical instrument is adapted to be activated according to the same operating states as those of the functional element (26a) of the real surgical instrument (12), and to be aligned, in real time, with the operating state of the real surgical instrument (12).

Figure for the abstract: FIG. 2