

GUIDE WIRE ARRANGEMENT

ABSTRACT

5 A guide wire arrangement is provided. The guide wire arrangement includes an elongate coil element having two opposing ends; a force transmitting element arranged at one of the two opposing ends of the coil element; a sensor assembly arranged in the coil element at a predefined distance away from the force transmitting element; and a core wire extending from the force transmitting element to the sensor element through the coil
10 element; wherein the coil element is configured to allow the core wire to be moveable relative to the sensor assembly and the sensor assembly is configured to detect movement of the core wire relative to the sensor assembly upon force impact on the force transmitting element.

15 **Figure 2**