

HANDLING DEVICE, ROBOT ARM VIBRATION SENSOR AND METHODS OF OPERATION

ABSTRACT OF THE INVENTION

A handling device has a robot arm, the arm having a vibration sensor and a coupling
5 device. The vibration sensor is mounted on the arm, and the coupling device is
configured to conductively connect the vibration sensor to processing circuitry located
remotely therefrom. A second handling device has a robot arm, the arm having a
vibration sensor and a coupling device. The vibration sensor is mounted on the arm,
and the coupling device is configured to connect the vibration sensor to power supply
10 circuitry located remotely therefrom. A robot arm vibration sensor has coupling
means for connecting the sensor to power and control circuitry. The coupling means is
configured to allow the power and control circuitry to be disposed remotely from the
sensor.

(Fig. 1)