Claims

1. Robotic system having at least one robotic arm, a control unit for controlling the robotic arm and a robotic arm sensor system having sensors adapted to receive forces and/or moments generated by predetermined haptic gestures of a user on the robotic arm, in which the robotic arm sensor system is adapted to generate signals based on the forces and/or moments and forward the signals to the control unit which is adapted to respond to the predetermined haptic gestures of the user, the haptic gestures acting on the robotic arm so that the robotic system performs at least one predetermined operation associated with the haptic gesture;
characterized in that
the haptic gesture is associated with a control on the graphical user interface of a display device of the robotic system.

2. Robotic system according to claim 1, in which the forces and/or moments generated by the haptic gesture are assigned to different operations depending on their respective directions.

3. Robotic system according to claim 1, in which the forces and/or moments generated by the haptic gesture are assigned to different operations depending on their respective variables.

4. Robotic system according to claim 1, in which a different chronological sequence of haptic gestures is assigned to different operations.

5. Robotic system according to claim 1, in which the control unit is adapted to generate a feedback in response to the haptic gesture.

6. Robotic system according to claim 5, in which the feedback is auditory and/or visual.

7. Robotic system according to claim 5, in which the feedback is formed to be haptically detectable.

8. Robotic system according to claim 7, in which the compliance of the robotic arm is variable.

9. Method for controlling on a graphical user interface of a display device of a robotic system comprising at least one robotic arm, a control unit for controlling the robotic arm and a robotic arm sensor system having sensors for receiving forces and/or moments generated by haptic gestures of a user on the robotic arm, comprising the steps:
- manipulating the robotic arm by at least one predetermined haptic gesture;
- generating signals by the robotic arm sensor system in response to the predetermined haptic gesture;
- transmitting the signals into the control unit; and
- assigning the signals to different predetermined operations by the control unit, which are associated to the graphical user interface.

10. Method according to claim 9, further comprising:
- generating at least one feedback in dependence on the different predetermined operations.

11. Method according to claim 10, further comprising:
- adjusting the compliance of the robotic arm depending on a predetermined haptic gesture.