Claims

1. Handheld device (100) for training at least one movement and at least one activity of a machine (114), the handheld device (100) comprising:
   - a handle (104);
   - an input unit (108) configured to input activation information for activating the training of the machine (114);
   - an output unit (110) configured to output the activation information for activating the training of the machine (114) to a device external to the handheld device;
   - a coupling structure (102) for releasably coupling an interchangeable attachment (210) configured in accordance with the at least one activity.

2. Handheld device (100) according to claim 1, further comprising:
   an interface (842a, 843) configured to implement a function in conjunction with circuitry (852) of the interchangeable attachment (210).

3. Handheld device (100) according to claim 1 or 2, wherein the output unit (110) comprises a wireless communication device for communicating with the device external to the handheld device.

4. Handheld device (100) according to any one of claims 1 to 3, further comprising:
   a battery (1704), and/or
   a control device configured to determine spatial information by a sensor of the handheld device (100).

5. Handheld device (100) according to any one of claims 1 to 4, wherein the input unit (108) is configured to capture

a handling of the handheld device (100) while performing the activity.

6. Handheld device (100) according to any one of claims 1 to 5, further comprising:
a feedback unit (822, 824) configured to output feedback to a user of the handheld device (100).

7. Handheld device (100) according to any one of claims 1 to 6, further comprising:
one or more than one first sensor (802s) configured to capture an electromagnetic location signal.

8. Handheld device (100) according to claim 7, wherein the one or more than one first sensor comprises an optoelectronic sensor (802s) for capturing the location signal.

9. Handheld device (100) according to any one of claims 1 to 8, further comprising:
one or more than one additional first sensor (802s), which is configured to capture spatial information about:
- a movement of the handheld device (100) in space,
- a position of the handheld device (100) in space, and/or
- an orientation of the handheld device (100) in space.

10. Handheld device (100) according to claim 9, wherein the one or more additional first sensors (802s) comprises a motion sensor and/or a position sensor.

11. Handheld device (100) according to any one of claims 1 to 10, wherein the coupling structure (102) is configured to positively couple the interchangeable attachment (210).

12. Handheld device (100) according to claim 2,

wherein the interface (842a, 843) is configured to provide electrical power to the circuit and/or to communicate with the circuit.

13. Handheld device (100) according to any one of claims 1 to 12, wherein the coupling structure (102) is arranged on the front side of the handheld device (100).

14. System (200, 700, 800, 1200), comprising:
- A handheld device (100) according to any one of claims 1 to 13, and;
- the device external to the handheld device and/or the interchangeable attachment (210).

15. System (200, 700, 800, 1200) according to claim 14, wherein the interchangeable attachment (210) comprises an end portion in the form of a tool (214) representing the activity of the machine (114).

16. System (200, 700, 800, 1200) according to claim 14 or 15, further comprising:
at least one additional interchangeable attachment (210a to 210g), wherein the additional interchangeable attachment is configured according to another activity that is different from the activity, and
wherein the additional interchangeable attachment (210a to 210g) and the interchangeable attachment (210) are configured to be interchangeable with each other.

17. System (200, 700, 800, 1200) according to any one of claims 14 to 16, wherein the interchangeable top (210) comprises circuitry (852) configured to provide a function.

18. System (200, 700, 800, 1200) according to any one of claims 14 to 17, wherein the device external to the handheld device comprises a data processing system (502)

configured to determine control information for the machine (114) based on the activation information and on the activity.

19. System (200, 700, 800, 1200) according to claim 18, wherein the data processing system (502) comprises a communication interface configured according to a communication protocol of the machine (114); and wherein the data processing system is configured to communicate with the machine by means of the communication interface.

20. System (200, 700, 800, 1200) according to claim 19, wherein the data processing system (502) is configured to transmit the control information to the machine (114) by means of the communication interface.

21. System (200, 700, 800, 1200) according to claim 19 or 20, wherein the data processing system (502) is further configured to perform a calibration sequence by controlling the machine (114) using the communication interface.

22. System (200, 700, 800, 1200) according to any one of claims 14 to 21, wherein the device external to the handheld device comprises a locating device (112) configured to emit an electromagnetic locating signal.

23. Method, comprising:

- capturing spatial information of the handheld device (100) according to any one of claims 1 to 13 when the activation information has been input;
- determine control information for the machine (114) based on the spatial information and the activity.

24. Nonvolatile storage medium comprising code segments configured to, when executed by a processor, perform the method of claim 23.

25. Handheld device (100) for training at least one movement and at least one activity of a machine (114), the handheld device (100) comprising:
    - a handle (104);
    - an input unit (108) configured to input activation information for activating the training of the machine (114);
    - an output unit (110) configured to output the activation information for activating the training of the machine (114) to a device external to the handheld device;
    - a tool configured according to the at least one activity.

26. Handheld device (100) according to claim 25, further comprising:
an interface (842a, 843) configured to, together with a circuit (852) of the tool, implement a function.

27. System (200, 700, 800, 1200) for training at least one movement and at least one activity of a machine, comprising:
a handheld device (100) (114), comprising:
    - a handle (104);
    - a tool or coupling structure (102) for releasably coupling an interchangeable attachment (210), the tool or interchangeable attachment (210) being configured according to the at least one activity;

a device external to the handheld device, comprising:
    - an input unit configured to input activation information for activating the training of the machine; and
    - an output unit (110) configured to output the activation information for activating the training of the machine (114).

28. System (200, 700, 800, 1200) according to claim 27, wherein the handheld device (100) (114), further comprising:

an interface (842a, 843) configured to implement a function together with a circuit (852) of the tool or the interchangeable attachment.