CLAIMS

1. A tool mounting (100) having an attachment element (120) and a frame for accommodating tools (300, 300') for the treatment of large surfaces, in particular ship hulls, **characterized in that** the attachment element (120) can be arranged at its proximal end via an attachment means (121) on the distal end (201) of a carrier system (200) so it is pivotable about a first pivot axis (S1), the attachment element (120) has a self-supporting connection at its distal end to the frame (110) so it is pivotable about a second pivot axis (S2), and the first pivot axis (S1) is aligned essentially orthogonally to the second pivot axis (S2).

2. The tool mounting (100) according to claim 1, **characterized in that** at least one first pivot unit (122, 123) for the deflection about the first pivot axis (S1) and at least one second pivot unit (123') for the deflection about the second pivot axis (S2) are arranged on the attachment element (120).

3. The tool mounting (100) according to claim 2, **characterized in that** the pivot units (122, 122') are selected from a group which contains electrical, pneumatic, and/or hydraulic rotating motors, hydraulic cylinders (123, 123'), and chain drives (122).

4. The tool mounting (100) according to one of claims 1 to 3, **characterized in that** the frame (110) has at least two frame elements (113, 113') which are each used to accommodate one tool (300, 300').

5. The tool mounting (100) according to claim 4, **characterized in that** the tools (300, 300') which can be arranged in the frame elements (113, 113') are pivotable via two axes (S3, S4) extending essentially orthogonally to one another.

6. The tool mounting (100) according to claim 4 or 5, **characterized in that** the at least two frame elements (113, 113') are pivotable in relation to one another via a further axis (S5).

7. The tool mounting (100) according to one of claims 4 to 6, **characterized in that** the further axis (S5) lies essentially in a plane with the first pivot axis (S1) and the second pivot axis (S2).

8. The tool mounting (100) according to one of claims 1 to 7, **characterized in that** at least one distance sensor (140) and/or proximity sensor is arranged on the frame (110) and/or on the attachment element (120) and/or the frame elements (113, 133').

9. The tool mounting (100) according to one of claims 1 to 8, **characterized in that** a travel wheel system (130, 130') having at least two travel wheels (131, 131') is arranged on the frame (110) and/or frame elements (113, 113').

10. The tool mounting (100) according to claim 9, **characterized in that** at least one of the travel wheels (131, 131') is equipped with rotational generators.

11. The tool mounting (100) according to claim 9 or 10, **characterized in that** the travel wheel system (130, 130') has two pivotable pairs of travel wheels (131, 131'), which are arranged on two opposing sides of the frame (110).

12. The tool mounting (100) according to one of claims 1 to 11, **characterized in that** at least one sensor wheel (132, 132a, 132b) for determining the velocity and/or position is arranged on the frame (110) and/or on the at least one frame element (113, 113').

13. The tool mounting (100) according to one of claims 1 to 12, **characterized in that** at least one tool (300, 300') can be arranged by means of at least one quick-release system (111) in the frame (110).

14. The tool mounting (100) according to one of claims 1 to 12, **characterized in that** at least one tool (300, 300') can be arranged via a link guide in the frame (110) and/or frame element (113, 113').

15. The tool mounting (100) according to one of claims 1 to 13, **characterized in that** the at least one tool (300, 300') is selected from a group which contains a combined washing/ablation tool for removing surface layers, in particular a water jet and/or sandblasting tool, a flushing lance, and a painting tool.

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CLAIMS

1. A tool mounting (100) having an attachment element (120) and a frame for accommodating tools (300, 300') for the treatment of large surfaces, in particular ship hulls, wherein the attachment element (120) can be arranged at its proximal end via an attachment means (121) on the distal end (201) of a carrier system (200) so it is pivotable about a first pivot axis (S1), the attachment element (120) has a self-supporting connection at its distal end to the frame (110) so it is pivotable about a second pivot axis (S2), and the first pivot axis (S1) is aligned essentially orthogonally to the second pivot axis (S2), **characterized in that** the frame (110) of the tool mounting (100) is pivotable via a pivot unit (124), which is guided like a link, via the second pivot axis (S2).

2. The tool mounting (100) according to claim 1, **characterized in that** at least one first pivot unit (122, 123) for the deflection about the first pivot axis (S1).

3. The tool mounting (100) according to claim 1 or 2, **characterized in that** the pivot units (122, 122', 124) are selected from a group which contains electrical, pneumatic, and/or hydraulic rotating motors, hydraulic cylinders (123, 123'), and chain drives (122).

4. The tool mounting (100) according to one of claims 1 to 3, **characterized in that** the frame (110) has at least two frame elements (113, 113') which are each used to accommodate one tool (300, 300').

5. The tool mounting (100) according to claim 4, **characterized in that** the tools (300, 300') which can be arranged in the frame elements (113, 113') are pivotable via two axes (S3, S4) extending essentially orthogonally to one another.

6. The tool mounting (100) according to claim 4 or 5, **characterized in that** the at least two frame elements (113, 113') are pivotable in relation to one another via a further axis (S5).

7. The tool mounting (100) according to one of claims 4 to 6, **characterized in that** the further axis (S5) lies essentially in a plane with the first pivot axis (S1) and the second pivot axis (S2).

8. The tool mounting (100) according to one of claims 1 to 7, **characterized in that** at least one distance sensor (140) and/or proximity sensor is

arranged on the frame (110) and/or on the attachment element (120) and/or the frame elements (113, 133').

9. The tool mounting (100) according to one of claims 1 to 8, **characterized in that** a travel wheel system (130, 130') having at least two travel wheels (131, 131') is arranged on the frame (110) and/or frame elements (113, 113').

10. The tool mounting (100) according to claim 9, **characterized in that** at least one of the travel wheels (131, 131') is equipped with rotational generators.

11. The tool mounting (100) according to claim 9 or 10, **characterized in that** the travel wheel system (130, 130') has two pivotable pairs of travel wheels (131, 131'), which are arranged on two opposing sides of the frame (110).

12. The tool mounting (100) according to one of claims 1 to 11, **characterized in that** at least one sensor wheel (132, 132a, 132b) for determining the velocity and/or position is arranged on the frame (110) and/or on the at least one frame element (113, 113').

13. The tool mounting (100) according to one of claims 1 to 12, **characterized in that** at least one tool (300, 300') can be arranged by means of at least one quick-release system (111) in the frame (110).

14. The tool mounting (100) according to one of claims 1 to 12, **characterized in that** at least one tool (300, 300') can be arranged via a link guide in the frame (110) and/or frame element (113, 113').

15. The tool mounting (100) according to one of claims 1 to 13, **characterized in that** the at least one tool (300, 300') is selected from a group which contains a combined washing/ablation tool for removing surface layers, in particular a water jet and/or sandblasting tool, a flushing lance, and a painting tool.