CLAIMS

1. A device for singularizing sheet material, having an actuator and a sheet-material receiver coupled thereto, wherein the actuator is configured for repositioning the sheet-material receiver, and wherein the sheet-material receiver is configured for receiving an individual sheet-material piece from a sheet-material stack in which a multiplicity of sheet-material pieces are disposed in a layered manner on top of one another along a plumb-line direction,
wherein
the actuator is configured for setting the sheet-material receiver in an oscillating rotary motion about a rotation axis that lies substantially parallel with the plumb-line direction, so as to receive the individual sheet-material piece from the sheet-material stack.

2. The device as claimed in claim 1, wherein the sheet-material receiver at the distal end thereof has a receiving head, and/or at the proximal end thereof has a coupling element for coupling to the actuator.

3. The device as claimed in claim 1 or 2, wherein the sheet-material receiver in relation to the rotation axis is configured so as to be rotationally symmetrical.

4. The device as claimed in claim 2 or 3, e the receiving head has a convex, a planar, or a concave circumferential profile.

5. The device as claimed in one of the preceding claims, wherein the actuator is configured for setting the sheet-material receiver in a translatory motion along a first direction that lies substantially perpendicular to the plumb-line direction, so as to remove the received individual sheet-material piece from the sheet-material stack.

6. The device as claimed in one of the preceding claims, wherein the actuator is configured for setting the sheet-material receiver in a translatory motion along a second direction that lies substantially perpendicular to the plumb-line direction, so as to remove the received individual sheet-material piece from the sheet-material stack.

7. The device as claimed in one of the preceding claims, wherein the actuator is configured for setting the sheet-material receiver in a translatory motion along the plumb-line direction, so

as to press the sheet-material receiver for receiving the individual sheet-material piece onto a surface of the individual sheet-material piece at a specific force.

8. The device as claimed in one of the preceding claims, wherein the oscillating rotary motion about the rotation axis extends along an angular range of less than 10°.

9. The device as claimed in one of the preceding claims, wherein the frequency of the oscillating rotary motion is greater than 1 kHz.

10. The device as claimed in one of the preceding claims, wherein the frequency of the oscillating rotary motion is determined so as to depend on a height of the individual sheet-material piece.

11. The device as claimed in one of the preceding claims, wherein the sheet-material receiver for contacting the individual sheet-material piece has an elastic material.

12. The device as claimed in claim 11, wherein the sheet-material receiver has a main body from a first material, and a coating applied thereto from a second material, wherein the second material contains the elastic material.

13. The device as claimed in one of the preceding claims, wherein the sheet-material receiver, by virtue of the oscillating rotary motion thereof about the rotation axis and by virtue of a force exerted by the actuator for pressing the sheet-material receiver onto a surface of the individual sheet-material piece, is configured for initiating an attractive force between the sheet-material receiver and the individual sheet-material piece, so as to remove the individual sheet-material piece from the sheet-material stack.

14. The device as claimed in one of the preceding claims, wherein the actuator a translatory element and a rotary element, wherein the translatory element is configured for repositioning the sheet-material receiver along the plumb-line direction, and wherein the rotary element is configured for setting the sheet-material receiver in said oscillating rotary motion and the rotation axis.

15. A method for singularizing sheet material by means of a device having an actuator and a sheet-material receiver coupled thereto, wherein the actuator is configured for repositioning the

sheet-material receiver, and wherein the sheet-material receiver is configured for receiving an individual sheet-material piece from a sheet-material stack in which a multiplicity of sheet-material pieces are disposed in a layered manner on top of one another along a plumb-line direction,

wherein the method comprises the following steps:

setting the sheet-material receiver in an oscillating rotary motion about a rotation axis that lies substantially parallel with the plumb-line direction by means of the actuator, so as to receive the individual sheet-material piece from the sheet-material stack.