CLAIMS

1. A sticker processing method, comprising:

acquiring an image and a sticker;

determining a target reference line, wherein the target reference line is used to identify an adding position of the sticker in the image;

detecting a position change of the sticker in the image in response to a user's moving operation on the sticker;

determining a final attachment state of a preset reference line on the sticker and the target reference line according to the position change;

if the final attachment state is an attached state, moving the sticker to the adding position automatically;

if the final attachment state is a non-attached state, determining that the sticker does not reach the adding position, and continuing to detect the position change of the sticker until the sticker is attached to the target reference line;

wherein determining the final attachment state of the preset reference line on the sticker and the target reference line according to the position change comprises:

determining an initial attachment state of the preset reference line on the sticker and the target reference line before the position change;

determining a distance between the preset reference line and the target reference line after the position change;

determining the final attachment state of the preset reference line and the target reference line after the position change according to the initial attachment state and the distance;

wherein when the initial attachment state is the attached state and the distance is greater than a preset detachment threshold, the preset reference line is triggered to move away from the target reference line, and the final attachment state is that the preset reference line is not attached to the target reference line.

2. The method according to claim 1, wherein when the initial attachment state is a non-attached state and the distance is less than or equal to a preset attachment threshold, the final attachment state is that the preset reference line is attached to the target reference line.

3. The method according to claim 1 or 2, wherein when the initial attachment state

is the attached state and the distance is less than or equal to a preset detachment threshold, the final attachment state is that the preset reference line is attached to the target reference line.

4. The method according to any one of claims 1 to 3, wherein when the initial attachment state is a non-attached state and the distance is greater than a preset attachment threshold, the final attachment state is that the preset reference line is not attached to the target reference line.

5. The method according to any one of claims 1 to 4, wherein the method further comprises:

generating an implicit reference line automatically according to the image;

when the sticker satisfies an attachment condition during the position change, attaching the preset reference line to the implicit reference line automatically;

adding the sticker to a current move position according to the preset reference line.

6. The method according to any one of claims 1 to 5, wherein the preset reference line is a first horizontal reference line, and accordingly, the target reference line is a second horizontal reference line; or, the preset reference line is a first vertical reference line, and accordingly, the target reference line is a second vertical reference line.

7. The method according to claim 6, wherein the first horizontal reference line is any one of the following: an upper boundary line of the sticker, a lower boundary line of the sticker, and a horizontal center line of the sticker.

8. The method according to claim 6 or 7, wherein the first vertical reference line is any one of the following: a left boundary line of the sticker, a right boundary line of the sticker, and a vertical center line of the sticker.

9. A sticker processing apparatus, comprising:

an acquiring module, configured to acquire an image and a sticker;

a reference line determining module, configured to determine a target reference line, where the target reference line is used to identify an adding position of the sticker in the image;

a position detecting module, configured to detect a position change of the sticker in the image in response to a user's moving operation on the sticker;

a state determining module, configured to determine a final attachment state of a preset reference line on the sticker and the target reference line according to the position change;

a sticker moving module, configured to move the sticker to the adding position if

the final attachment state is an attached state;

wherein the position detecting module is further configured to:

if the final attachment state is a non-attached state, determine that the sticker does not reach the adding position, and continue to detect the position change of the sticker until the sticker is attached to the target reference line;

wherein the state determining module is specifically configured to:

determine an initial attachment state of the preset reference line on the sticker and the target reference line before the position change;

determine a distance between the preset reference line and the target reference line after the position change;

determine the final attachment state of the preset reference line and the target reference line after the position change according to the initial attachment state and the distance;

wherein when the initial attachment state is the attached state and the distance is greater than a preset detachment threshold, the preset reference line is triggered to move away from the target reference line, and the final attachment state is that the preset reference line is not attached to the target reference line.

10. An electronic device, comprising:

a memory, configured to store non-transitory computer-readable instructions;

a processor, configured to run the non-transitory computer-readable instructions, wherein the sticker processing method according to any one of claims 1 to 8 is implemented when the non-transitory computer-readable instructions are executed by the processor.

11. A computer-readable storage medium, configured to store non-transitory computer-readable instructions which, when executed by a computer, causes the computer to execute the sticker processing method according to any one of claims 1 to 8.

12. A computer program product, comprising a computer program carried on a computer-readable storage medium, wherein the sticker processing method according to any one of claims 1 to 8 is executed when the computer program is executed by a processor.