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# (12) United States Patent Shlomov

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#### (54) EYEBROW SHAPING METHOD

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CPC ...... *A45D 44/005* (2013.01); *A45D 26/0076* (2013.01); *A45D 40/262* (2013.01); *G06K 9/6215* (2013.01); *G06T 5/005* (2013.01); *A45D 2044/007* (2013.01); *G06T 2207/30201* (2013.01)

# (58) Field of Classification Search

None

See application file for complete search history.

### (56) References Cited

### U.S. PATENT DOCUMENTS

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# (57) **ABSTRACT**

An eyebrow shaping apparatus, including: a camera, for capturing one image of each of two eyebrows of a user at an initial state; an image processor, for horizontally flipping one of the two images, and for searching for differences between the horizontally flipped image and the other image, and for suggesting corrections in at least one of the captured images for obtaining a requested state having two equal mirrored images; CNC (Computer Numerical Control), for producing a program including physical steps for modifying the eyebrows from the initial state to the requested state; and a painting tip, a hair removing tip, and a robotic arm, for executing the program.

## 3 Claims, 4 Drawing Sheets



