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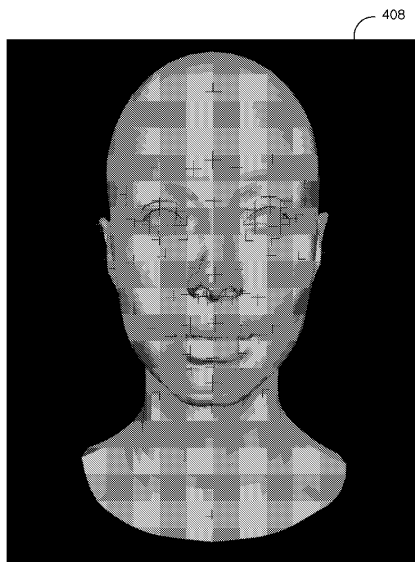


Figure 4A

(57) Abstract: Methods and systems describe providing face mesh deformation with detailed wrinkles. A neutral mesh based on a scan of a face is provided along with initial control point positions on the neutral mesh and user-defined control point positions corresponding to a non-neutral facial expression. A radial basis function (RBF) deformed mesh is generated based on RBF interpolation of the initial control point positions and the user-defined control point positions. Predicted wrinkle deformation data is then generated by one or more cascaded regressors networks. Finally, a final deformed mesh is provided with wrinkles based on the predicted wrinkle deformation data.

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