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**Rezai**

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(54) **ELECTRICAL STIMULATION TO TREAT HAIR LOSS**

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**A61N 1/00** (2006.01)

(52) **U.S. Cl.** ..... **607/50; 607/116; 607/152**

(58) **Field of Classification Search** ..... **604/20, 604/21; 607/50, 139, 152, 116**

See application file for complete search history.

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(57) **ABSTRACT**

A hair restoration apparatus includes an electrical generator configured to generate an electrical signal meeting defined characteristics. A controller in operative communication with the generator controls operation of the generator and characteristics of the generated electrical signal selected to effect a therapeutically effective application of electrical signals to a hair restoration site. An electrode in electrical communication with the electrical generator is disposed in an area where application of the electrical signal is desired. An electrical connection between the electrical generator and the electrode is provided and sealed for at least partial implantation under the skin of a patient in selected embodiments.

**5 Claims, 4 Drawing Sheets**

