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## [54] TRANSCRANIAL ELECTROSTIMULATION APPARATUS HAVING TWO ELECTRODE PAIRS AND INDEPENDENT CURRENT GENERATORS

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### Related U.S. Application Data

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[51] Int. Cl.<sup>6</sup> ..... **A61N 1/36**

[52] U.S. Cl. .... **601/46; 607/47**

[58] Field of Search ..... **607/45-47**

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### [57] ABSTRACT

Transcranial electrostimulation apparatus including two current generators for providing electrical currents, two electrode pairs for detachable attachment to the scalp of a patient of which each is driven by an electrode pair dedicated current generator and control apparatus for independently controlling each current generator such that each electrode pair administers an independently regulated electrical current.

**12 Claims, 5 Drawing Sheets**

