TRANSCUTANEOUS ELECTROSTIMULATOR AND METHODS FOR ELECTROSTIMULATION

Abstract of the Disclosure

An electrostimulation device includes a computer generating an electrostimulation generator control signal and outputting a music signal, a transcutaneous electrostimulation generator, an electronic signal conduit, and an electrode coupler. The generator receives the generator control signal and the music signal, generates a nerve electrostimulation signal dependent upon the generator control signal, and outputs the nerve electrostimulation signal at the stimulation output and the music signal at an audio output. The coupler fits in an ear canal, has a speaker connected to the audio output to output the music signal into the ear canal when worn, and has electrostimulation electrodes conductively connected to the stimulation output through the electronic signal conduit to receive the nerve electrostimulation signal and positioned to contact tissue within the canal to transcutaneously apply the nerve electrostimulation signal thereto. The coupler supplies the nerve electrostimulation signal while music outputs from the speaker.

FIG. 116