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CITY UNIVERSITY OF NEW YORK [US/US]; c/o
Technology Commercialization Office, 555 West 57th
Street, Suite 1407, New York, New York 10019 (US).(72) Inventor: AHMED, Zaghoul; c/o Research Foundation
of the City University of New York, Technology Commer-
cialization Office, 555 West 57th Street, Suite 1407, New
York, New York 10019 (US).(74) Agents: LOPEZ, Orlando et al.; Burns & Levinson, LLP,
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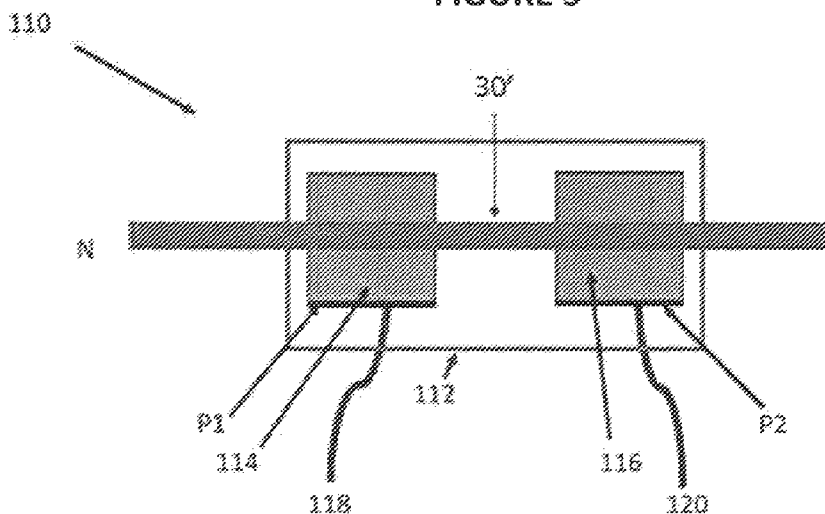
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FIGURE 3



(57) Abstract: Improved neuromodulation control of neurological abnormalities associated with effector organs in vertebrate beings using direct current stimulation for modulating spinal cord excitability, having a peripheral-current supplying component for providing direct current peripheral nerve stimulation and a spinal-current supplying component providing direct current for spinal stimulation, and a controller managing such functions.