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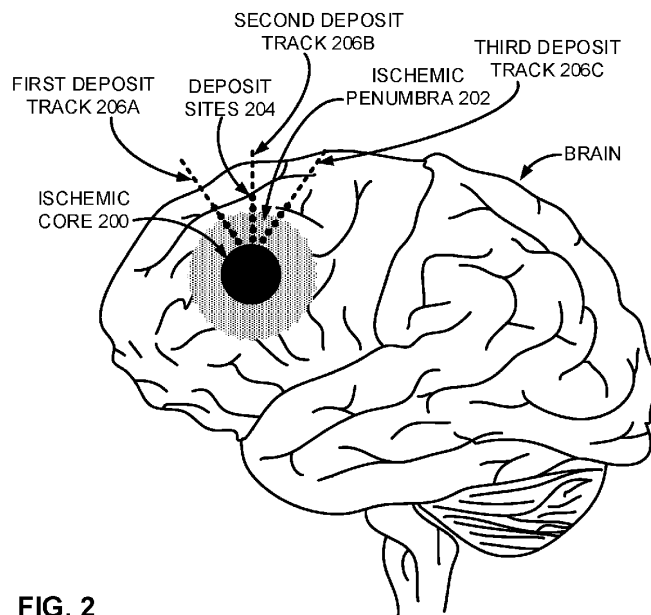


FIG. 2

(57) Abstract: Disclosed are methods of treating a subject following a small-volume ischemic stroke suffered by the subject and methods of treating a subject with a stroke-induced motor deficit. Disclosed also is a composition for treating small-volume ischemic stroke. In one aspect, the method of treating a subject following a small-volume ischemic stroke comprises administering, to a brain region surrounding a small-volume ischemic core of the subject, a therapeutically effective amount of cells, wherein the cells are descended from mesenchymal stem cells transiently-transfected by a polynucleotide encoding a Notch intracellular domain.

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WO 2022/251829 A1

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