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(54) **Title:** GAIT BALANCE REHABILITATION APPARATUS

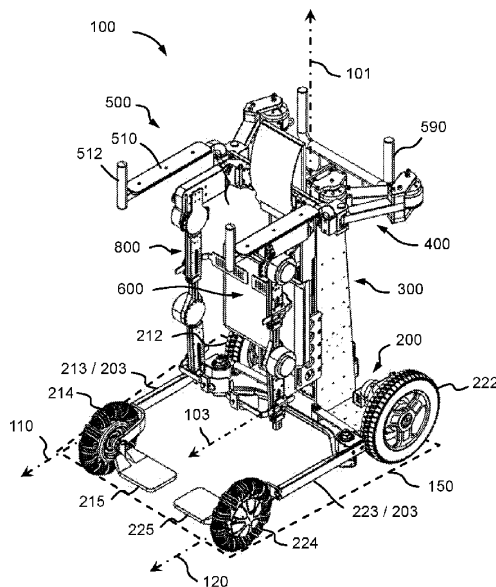


FIG. 1

(57) **Abstract:** An apparatus for gait balance rehabilitation. The apparatus includes a mobile base and a frame fixedly disposed thereon. The apparatus may include a seat and a braking mechanism. The braking mechanism includes a plurality of linkages and a corresponding plurality of rotary joints. The plurality of linkages and the corresponding plurality of rotary joints are alternately coupled to one another, forming a closed ring structure. The braking mechanism includes lockable rotary joints configured to lock an angular displacement between corresponding two of the linkages coupled to selected rotary joints. A slidable member serving as one of the plurality of linkages is displaceable relative to the frame in the longitudinal direction or in a counter-longitudinal direction. The apparatus may include a handle system operable in tandem with the slidable member. The seat may be rotatable in a direction dependent on a displacement of said slidable member relative to the frame.

WO 2025/023887 A1

[Continued on next page]

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