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POWERED WHEELCHAIR

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Abstract of US2017071804 (A1)

The invention relates to a powered wheelchair (100, 200) for transporting a person comprising a seat frame (40) for supporting the person, a pair of opposing drive wheel assemblies (20, 30) configured to drive said powered wheelchair (100, 200) and connected to the seat frame (40), and a supporting wheel assembly (50) arranged spaced apart from the pair of opposing drive wheel assemblies (20, 30) and connected to the seat frame (40). The pair of opposing drive wheel assemblies (20, 30) comprising a first drive wheel assembly (20) and a second drive wheel assembly (30). The first drive wheel assembly (20) includes a first driving wheel (24) having a first rotation centre (R1) and operatively connected to a first rotation mechanism (26) via a first linkage member (28), said first

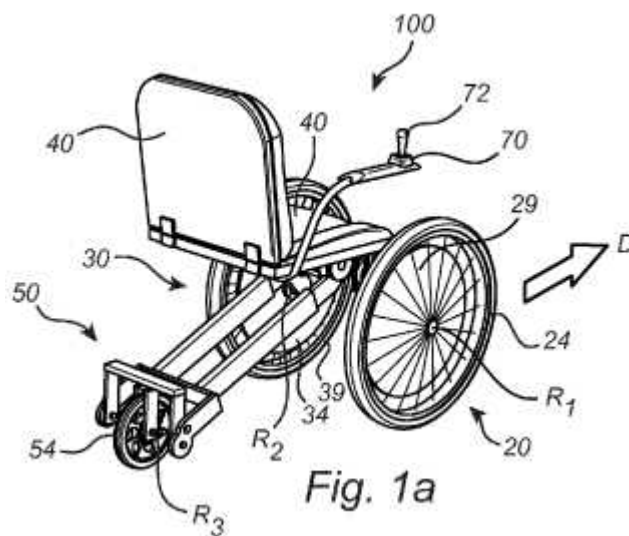


Fig. 1a

rotation mechanism (26) is operable to rotate said first drive wheel assembly about a first pivot point (P1), wherein said first rotation centre is offset from said first pivot point. The supporting wheel assembly (50) includes a supporting rotatable wheel (54) having a third rotation centre (R3) and operatively connected to a third rotation mechanism (56) via a third linkage member (58), said third rotation mechanism (56) is operable to rotate said supporting wheel assembly (50) about a third pivot point (P3), wherein said third rotation centre (R3) is offset from said third pivot point (P3). The invention also relates to a method for operating a powered wheelchair.