

Title (en)
WHEELCHAIR WITH MANUALLY OPERATED PROPULSION LEVERS

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EP 0332813 B1 19911030 (DE)

Application
EP 89100935 A 19890120

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DE 3809044 A 19880318

Abstract (en)
[origin: EP0332813A2] The invention relates to a wheelchair with manually operated propulsion levers, each of which has a handle at one of its ends for propulsion and, at a distance therefrom, two mutually spaced pivoting bearings, of which a first is actively connected to a crank bearing at the end of a crank connected to the wheel to be driven, and the second to the frame of the wheelchair. The second pivoting bearing is movably connected, via a guide device, to the frame of the wheelchair in such a manner that the handles, when moved forwards and backwards, follow paths at different heights. The guide can be designed as a multi- membered coupler mechanism with a relatively high coupler curve as a drive movement. The movement paths of the handles form a closed curve which has, for example, the shape of a flat asymmetrical ellipse. No reversal of movement takes place in this path, so that dead centre positions are also avoided. Wheelchair users can therefore exert a propulsion or braking effect in any movement position. <IMAGE>

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