



Technology Offer

Ref.-No. M09/18

Swim prosthesis

Introduction

Swimming enables moderate to highly active physical training. It is a sport suitable for the physically handicapped, because the water buoyancy enables training of the whole body. However, physical disabilities can impair the swim technique and affect body balance. Unfortunately, hardly any aids are available that enable satisfactory swimming e.g. for people with amputated upper limbs.

The different swim paddles and prostheses currently available are not optimally adapted to the needs of prosthesis wearers.

Invention

The present invention is a waterproof swim prosthesis. The device enables people with amputated upper limbs to swim with an even stroke of both arms in the water, because the swim prosthesis is designed in such a way that hardly any water resistance is experienced when the arms move forward. The prosthesis is characterized by a paddle-like swim element, which is pivotally connected to a fastener,

thus enabling the hand movements to be reproduced better than in the case of the aids previously described under state of the art.



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Advantages of the invention

- even pressure on both arms
- symmetrical development of the musculature
- prevention of wrong posture

Patent situation

Patent application filed in Germany.

For further detailed information please contact:

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