

Correction of ulnar deviation of phalangeal and metacarpal joints with self-articulation orthosis and its application

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Technology description

Introduction

Rheumatoid arthritis is a chronic disease of unknown etiology and multisystem effects. Inflammatory tenderness of the hand and wrist, having the deformities of these joints and associated with the associated limbs (fingers and hands). As a result, there are painful and difficult objects to deal with. This orthosis is recommended for correction of deformities other than pain.

Objective

A self-articulation orthosis for correcting ulnar displacement of fingers and metacarpophalangeal joints is described. Because of its connection to the forearm, wrist and fingers of the hand, the orthopaedic appliance has the function of allowing these parts of the upper limb to freely articulate themselves and safely and conveniently handle objects. Provide services to any user who has bruxism of the wrist and hand and causes finger deformities, and apply them to occupational therapy and physiotherapy, physical therapy, medical treatment, rehabilitation clinics, home, work, leisure environment, etc.

Application area

Suitable for hand bruxism carriers resulting in finger and hand deformities and/or interphalangeal joint displacement.

Target audience

Manufacturer of prostheses and surgical instruments.

Institution

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