

## Technology Offer

### Fixation and Traction Device for Wrist, Forearm and Elbow

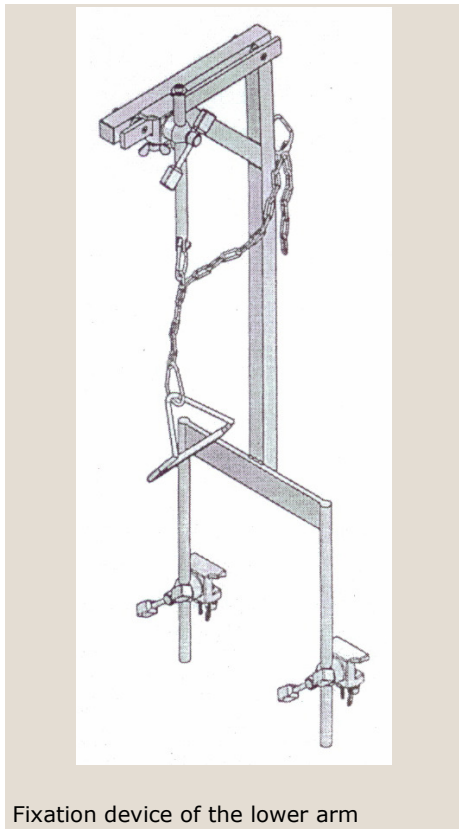
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#### Challenge

Proper diagnosis and treatment of wrist injuries is often challenging. Positioning and stable fixation of the lower arm is crucial for arthroscopical and/or osteosynthesis procedures. Current fixation devices suffer from a variety of disadvantages and related limitations, imposed upon the surgeon and surgical staff challenge procedures, can become frustrating, and may consume vital OR time.



Fixation device of the lower arm

#### Technology

The invention comprises a new fixation device for the upper limb which only fixates the fingers and thus enables free access to the elbow, forearm and wrist. It is an easy-to-use device which positions the upper and the lower arm perpendicular to each other, leaving the lower arm in an upright position. This allows for unlimited movement of the arm at the operation table (e.g. for X-ray imaging). Electrical exposure and contusion are excluded as there is no physical contact between arm and fixation device. The necessary stability of the fixation device is substantially increased through the use of two mounting elements instead of one. The design of the new device gives the surgeon the utmost working area and therefore unhindered access for fluoroscopic imaging.

#### Commercial Opportunity

In-licensing or industrial cooperation for further development, CE-certification and commercialization of the technology.

#### Developmental Status

A prototype of the system has been successfully tested in numerous interventions at MHH.

#### Patent Situation

A utility model (20.2008.014.422.1) was filed in October 2008

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