

## // TORQUE TRANSMISSION FOR ELECTRONIC STRENGTH TRAINING EQUIPMENT

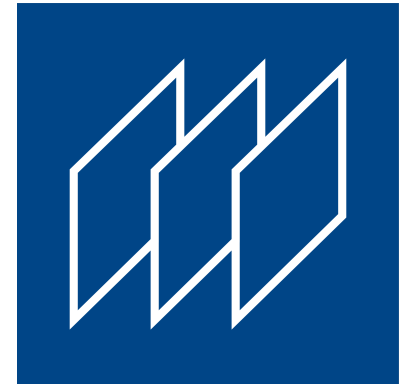
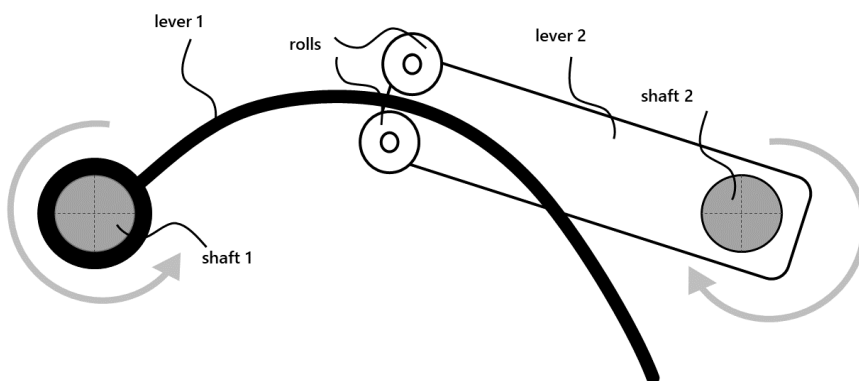
Ref-Nr: TA-B79078

### HINTERGRUND

Electronic training devices exercising the body symmetrically rely usually on one single electric drive. The drive torque has to be transmitted from this single electric drive to both rotation axes. So far the transmission of the drive torque is realized through gear pairs or wire rope hoists. Both are showing significant disadvantages as cost-intensive production, complicated implementation, high maintenance costs or vibrations of the rotation axis during the exercise.

### LÖSUNG

The invention realizes the torque transmission by two levers and a rolling movement. This mechanism circumvents vibrations during the torque transmission. Furthermore, the production of the lever component is less cost-intensive and needs additionally less maintenance.



Bayerische Patentallianz GmbH

089 5480177-0  
kontakt@baypat.de  
www.baypat.de

### ENTWICKLUNGSSTAND

Prototyp

### CATEGORIES

//Maschinenbau

## ANWENDUNGSBEREICHE

### COMMERCIAL OPPORTUNITIES

The application of the invention is the implementation in a symmetrically exercising electric exerciser.

---