

RECENT PATENTS^a

Artificial Hand for Prostheses with Bioelectrical Control: Y. S. Yakobson, et al. A bioelectrically controlled artificial hand which is capable of grasping various shaped objects and performing other functions that require the motion of each individual finger. (Patent No. 3,521,303, July 21, 1970; filed July 12, 1967, Serial No. 652,881; 3 claims.)

Leg Prostheses for Thigh Disarticulations: G. A. Degtyarev, et al. A prosthesis, for thigh disarticulations near the hip, having a half-corset provided with a bracket mounted near the underside which pivotally supports thigh, shin, and foot members. An automatic lock is provided between the bracket and thigh member to support the body in a vertical position and which is releasable for forward pivoting during sitting. (Patent No. 3,501,777, Mar. 24, 1970; filed July 13, 1967, Serial No. 653,094; 4 claims.)

Moldable Resin-Bonded Laminate: J. P. Gould. An elongated body, consisting of particles of thermosetting resin bonded by a thermoplastic resin, whereby the application of pressure and heat permits the adhesive to spread and then provides complete polymerization of the thermosetting component to form a permanent union between upper and lower plies. (Patent No. 3,517,805, June 30, 1970; filed Feb. 7, 1968, Serial No. 703,796; 7 claims.)

Photocell and Control Circuit for an Automatic Page Turner: R. J. Varson, et al. This invention may be used to coordinate the operation of a camera and an automatic page turner whereby the pages in a bound volume can be automatically turned, flattened, and photographed in sequence. Also, the circuit monitors and controls the operation of the page turner so that when more than one page is turned, or a page is turned but not flattened, the turner is stopped. (Patent No. 3,522,434, Aug. 4, 1970; filed Nov. 12, 1968, Serial No. 774,734; 11 claims.)

Prosthetic Arm Having Humeral Rotation: Joseph J. Ivko, et al. A prosthetic device for above-elbow amputees which allows substantially natural movement including humeral rotation of about 180 deg. Activation is provided by incorporation of a selectively actuatable bearing assembly responsive to voluntary excursions of the deltoid muscles associated with the limb upon which the device is mounted. (Patent No. 3,526,007, Sept. 1, 1970; filed Nov. 13, 1967, Serial No. 682,381; 16 claims.)

Scanning and Translating Apparatus: Hans A. Mauch and Glendon C. Smith. An apparatus capable of sensing and translating inkprint of varied sizes and styles into audible signals for use by blind people. The apparatus defines characters by converting them into signals utilizing a multiple "snapshot" technique. The signals are then converted into spelled speech, an audible form. (Patent No. 3,531,770, Sept. 29, 1970; filed Nov. 12, 1965, Serial No. 507,308; 11 claims.)

^a Patents may be ordered by number from the Commissioner of Patents, Washington, D.C. 20231, at 50 cents each.

Valve Arrangement for an Artificial Limb: Jan Prahl, assignor to Wilhelm Julius Teufel, Stuttgart, Germany. A valve arrangement in the shaft of an artificial limb which permits the shaft cavity to be vented to the atmosphere. (Patent No. 3,505,687, April 14, 1970; filed Jan. 11, 1968, Serial No. 697,167; 5 claims.)

Wrist Extensor Operated Hand Splint: Robert L. Beardmore. A novel wrist extensor operated hand splint adapted to be carried on the hand and lower forearm. The splint is comprised of two smooth parts that are free of cumbersome straps and mechanical joints. (Patent No. 3,526,006, Sept. 1, 1970; filed May 1, 1968, Serial No. 725,671; 4 claims.)