

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341066960 A

(19) INDIA

(22) Date of filing of Application :05/10/2023

(43) Publication Date : 20/10/2023

(54) Title of the invention : NOVEL CABLE OPERATED LIGHTWEIGHT AND FLEXIBLE PROSTHETIC HAND

(51) International classification :A61F0002580000, A61F0002700000, A61F0002720000, A61F0002680000, B25J0015000000

(86) International Application No :NA
 Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
 Filing Date :NA

(62) Divisional to Application Number :NA
 Filing Date :NA

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(57) Abstract :
 NOVEL CABLE OPERATED LIGHTWEIGHT AND FLEXIBLE PROSTHETIC HAND ABSTRACT The present invention discloses a prosthetic hand apparatus featuring a lightweight and flexible exterior structure formed from a foam sheet, supported by an internal framework of plastic pipes providing stability. The prosthetic hand includes leather coverings for enhanced aesthetics and tactile qualities, and integrates cables and iron rods to simulate tendons and skeletal support, enabling controlled movement. Belt straps ensure secure attachment and adaptability for user comfort. The amalgamation of these components results in a durable and functional prosthetic hand apparatus that replicates natural hand movements, fostering improved user experience and quality of life.

No. of Pages : 18 No. of Claims : 7