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(71) Applicant: **NATIONAL UNIVERSITY OF SINGAPORE** [SG/SG]; 21 Lower Kent Ridge Road, Singapore 119077 (SG).

(72) Inventors: **THIAN, Eng San**; c/o Department of Mechanical Engineering, National University of Singapore, 9 Engineering Drive 1, Singapore 117576 (SG). **WANG, Zuyong**; c/o Department of Mechanical Engineering, National University of Singapore, 9 Engineering Drive 1, Singapore 117576 (SG). **WANG, Ee Jen Wilson**; c/o Department of Orthopaedic Surgery, National University of Singapore, 5 Lower Kent Ridge Road, Singapore 119074 (SG). **HONG,**

Minghui; c/o Department of Electrical & Computer Engineering, National University of Singapore, 4 Engineering Drive 3, Singapore 117583 (SG).

(74) Agent: **VIERING, JENTSCHURA & PARTNER LLP**; P.O. Box 1088, Rochor Post Office, Rochor Road, Singapore 911833 (SG).

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(54) Title: TISSUE SCAFFOLD DEVICE AND METHOD FOR FABRICATING THEREOF

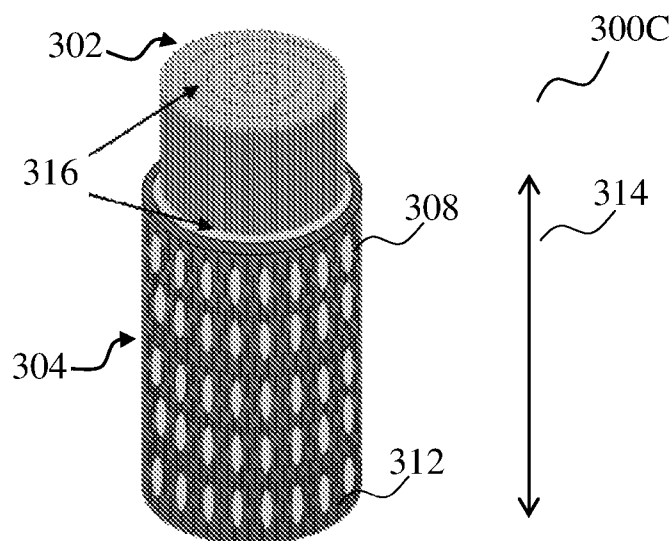


FIG. 3C

(57) Abstract: The invention relates to a tissue scaffold device and a method for fabricating the tissue scaffold device. The tissue scaffold device comprises a porous core including a plurality of fibres and an outer portion at least substantially surrounding the porous core, wherein the outer portion includes a plurality of pores elongated along a longitudinal axis of the tissue scaffold device. The tissue scaffold device is preferably a tendon scaffold, and the fibres preferably comprise collagen and poly(ϵ -caprolactone) (PCL), with or without incorporation of hydroxyapatite nanoparticles.



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