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(54) **TRIAPARTITE ATTACHMENT MECHANISM AND METHOD FOR A MODULAR PROSTHESIS**

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(75) **Inventors: Daniel E. Gerbec**, Logan, UT (US); **T. Wade Fallin**, Hyde Park, UT (US)

(57) **ABSTRACT**

Correspondence Address:  
**DANA L. TANGREN**  
**WORKMAN, NYDEGGER & SEELEY**  
**P.O. BOX 45862**  
**SALT LAKE CITY, UT 84145 (US)**

A tripartite attachment mechanism for a modular prosthesis comprises a body, a sleeve and a shaft. The body has a top end, a bottom end, an internal surface bounding a bore extending between the top and bottom ends, and an external prosthetic surface. The sleeve has a channel extending therethrough, an external prosthetic surface, and a protrusion having an outer surface adapted to be received in the bore. The shaft is adapted to be slidingly received in the bore and the channel. With the shaft in the bore and the channel, sliding the protrusion into the bore causes the internal surface of the bore to bias against the external surface of the protrusion and further causes the internal surface of the channel to bias against the shaft, thereby locking the body, sleeve, and stem in a fixed relative position.

(73) **Assignee: MEDICINELODGE, INC.**

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