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(54) Title: DIRECT INTEGRATION OF FEEDTHROUGH TO IMPLANTABLE MEDICAL DEVICE HOUSING BY SINTERING

(57) Abstract: One aspect provides a method of attaching a feedthrough to a titanium housing of an implantable medical device. The method includes applying a sinter paste onto a surface of the housing about a perimeter of an opening through the housing, the sinter paste including a biocompatible bonding material, and placing an insulator of the feedthrough onto the sinter paste so as to cover the opening. The sinter paste is then heated to a temperature less than a beta-transus temperature of the titanium of the housing and to a temperature less than a melting point of the biocompatible bonding material for a desired duration to form, from the sinter paste, a sinter joint which bonds the feedthrough to the housing and hermetically seals the opening.

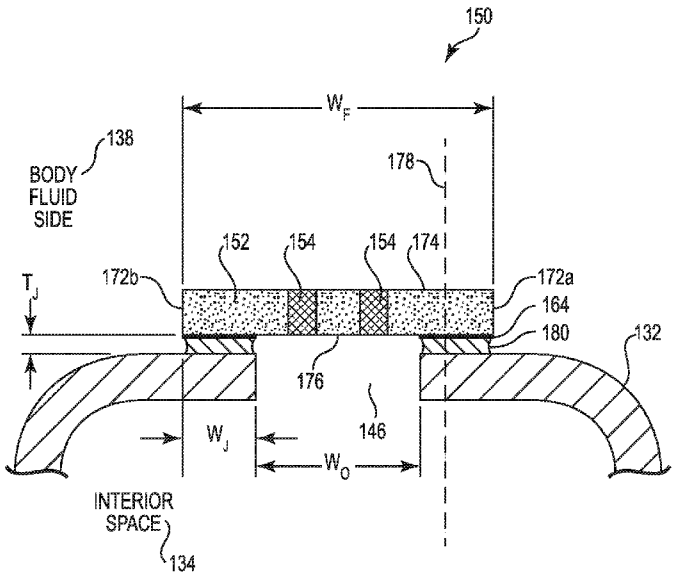


FIG 3