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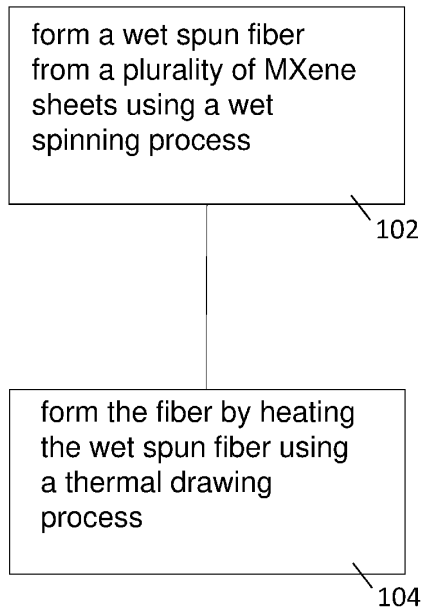
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(54) Title: FIBER AND METHOD OF FORMING THE SAME

FIG. 1



(57) Abstract: Various embodiments may relate to a method of forming a fiber. The method may include forming a plurality of wet spun fibers from a plurality of MXene sheets using a wet spinning process. The method may also include forming the fiber by heating the wet spun fiber using a thermal drawing process. The fiber may be a cross-linked MXene -based fiber including a MXene core including the plurality of MXene sheets which are cross-linked. The fiber may further include a protective layer surrounding the MXene core.

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