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(54) Title: SPIRAL SHEET PRODUCT AND METHOD OF MANUFACTURING THE SAME VIA ADDITIVE MANUFACTURING

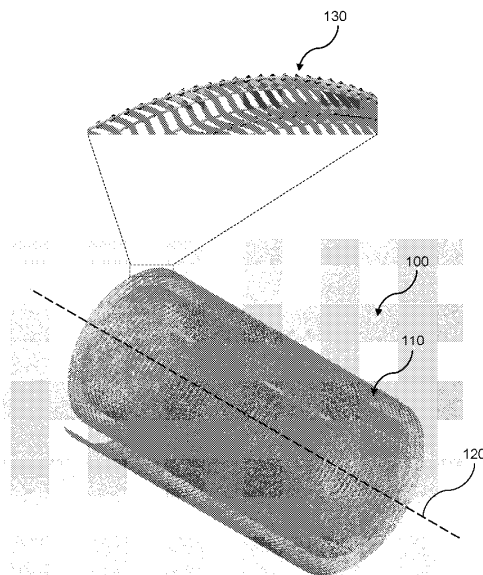


Figure 1

(57) Abstract: The present disclosure generally relates to a method of manufacturing a spiral sheet product (100) via an additive manufacturing process, the method comprising: obtaining an electronic file representing a geometry of the spiral sheet product (100); and controlling an additive manufacturing apparatus to manufacture, via the additive manufacturing process, the spiral sheet product (100) according to the geometry specified in the electronic file. The geometry of the spiral sheet product (100) comprises: a geometric model of a spiral body (110) revolving around a longitudinal axis (120), the spiral body (110) comprising spiral sections (130) repeating along the longitudinal axis (120); each spiral section (130) comprising unit cells (140) repeating along a spiral length of the spiral section (130); and each unit cell (140) comprising a geometric pattern, such that the repetitive geometric pattern functionalizes the spiral sheet product (100) that is arrangeable into a flat sheet product that is larger than a build chamber of the additive manufacturing apparatus.

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