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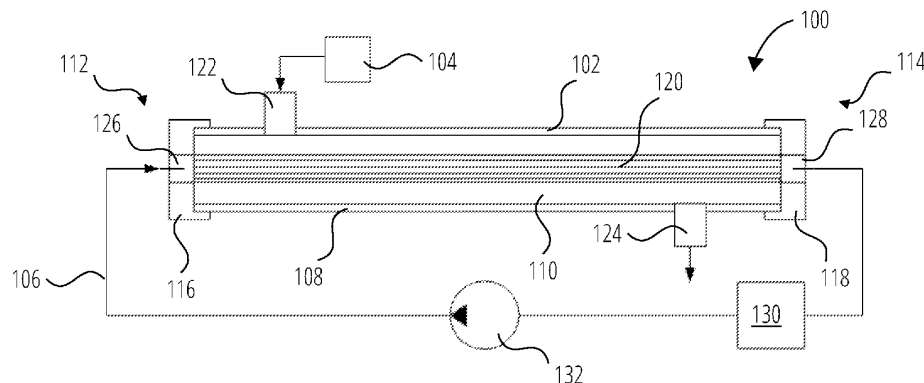


FIG. 1

(57) Abstract: A food product cell culture construct for a food product bioreactor module (102) that is attachable to a food product cell culturing system (100). The food product cell culture bioreactor module (102) has a housing (108) adapted to receive the food product cell culture construct for culturing cells on the food product cell culture construct within the housing. The food product cell culture construct comprises a plurality of fibres (120) and an end support (126). The plurality of fibres (120) have external surfaces for cell adhesion and culturing, and ends embedded within the end support (126) and extending from the end support (126) such they extend into the housing (108) when the food product cell culture construct is received in the housing of the food product cell culture bioreactor module (102). At a plane coincident with the end support (126) the plurality of fibres (120) are arranged in a fibre distribution defining an envelope. The fibre distribution comprises a Fibre Distribution Parameter, FDP, of between 9 cm³ and 24 cm³, the FDP being the product of the sum of the circumferences of the plurality of fibres within the envelope and the area within the envelope not occupied by the plurality of fibres.

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