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(54) Title: PROCESS FOR MAKING BIOPREFORM FROM MONOCOTYLEDONOUS CAUDEX PLANT STEM, BIOPREFORM OBTAINED THEREBY AND USE THEREOF

(57) Abstract: A method of making biopreform from the stem of monocotyledonous caudex plant, that is suitable for liquid infiltration and gaseous transportation of materials, is disclosed. Wood from caudex stem of trees such as coconut (*Cocos nucifera*), palmyra palm (*Borassus flabellifer*), date palm (*Phoenix dactylifera*), is used as a precursor material which is transformed under simple pyrolytic conditions under self-generated ambient atmosphere to biopreform having microstructural features typical of a monocotyledonous caudex tree. The biopreform is capable of liquid infiltration and gaseous transportation processing of materials in an appreciably shorter processing periods, because of its preservation of the structural and anatomical features of the parent plants with high precision.

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