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(54) Title: METHODS OF PRODUCING CHOCOLATE FROM CACAO PLANT CELL MATERIALS

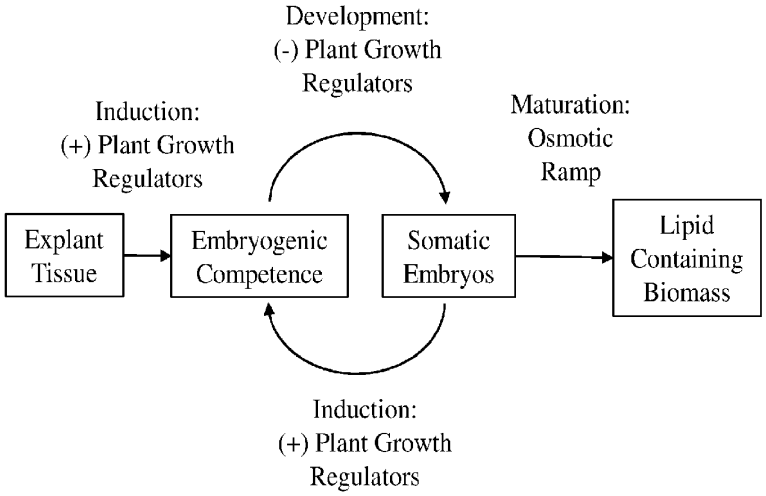


FIG. 1

(57) Abstract: The present invention relates to methods of producing chocolate, chocolate-like or food products, or food materials, from plant cell culture somatic embryogenesis biomass. The methods include culturing an *in vitro* cacao plant cell biomass, optionally with at least one microorganism and/or at least one enzyme, wherein the biomass comprises somatic embryos (SEs) from *Theobroma cacao L.* explant material. Chocolate, chocolate-like and food products obtained from such methods are also provided.

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