Abstract

Thermoplastic Starch Composition Derives From Agricultural Waste

A thermoplastic starch composition acquired from compounding a mixture comprises starch-containing agricultural waste in 45 to 70% by weight of total composition that the agricultural waste contains starch content less than 50% in dry weight; thermoplastic synthetic polymer in 25 to 50% by weight of total composition; plasticizer in 0.01 to 10% by weight of total composition; and coupling agent in 1 to 5% by weight of total composition; wherein the compounding is performed at a first temperature which is higher than room temperature.

(No illustrative drawing)

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