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Patent Search

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Abstract:

The invention pertains generally to use bacterial red and green pigment for ink preparation. Red pigment respectively from Hallobacterium sp and green from Pseudomonas fluorescence was produced using rice and bagasses as substrate. The pigment from substrate is extracted with methanol and purified by filtration. Red pigment was mixed with Gum Arabic which is dissolved in hot water. This result in a sticky solution is added with Glycerin and chitosan polymer. The ration of pigment, gum Arabic, glycerin and chitosan at 5:2:1:0.1

Complete Specification

1. Economic production of microbial pigment
2. Application of Bagasse for the production of pinkish red pigmentation
3. Application of rice for the production of pinkish red pigmentation
4. Formulation of Modified ink base contain gum Arabic, glycerol and Chitosan

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