



Espacenet

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Method for colouring natural textile fibers

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Method for dyeing and/or colouring of natural protein textile fibers comprising the following steps: a) intercalation and/or absorption of dyes into lamellar solids, in order to obtain a lamellar solid intercalated with dyes, b) polymeric coating of the surface of the lamellar solid intercalated with dyes, in order to obtain a microcapsule totally coated with polymeric film having an essentially spherical shape and a diameter ranging between 1 - 10 microns, c) formation of polymeric pendants on the surface of microcapsules in order to anchor the microcapsules to natural protein fibers.

FIGURE 1. Schematic illustration of the intercalation reaction of the dye in the lamellar solid, and schematic illustration of the innovative products for dyeing of natural protein fibers obtained by the functionalization of the lamellar solid according to the grafting method and according to the surface coating method.

