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(54) Title: POLYMERIC YARN, COMPOSITION AND METHOD

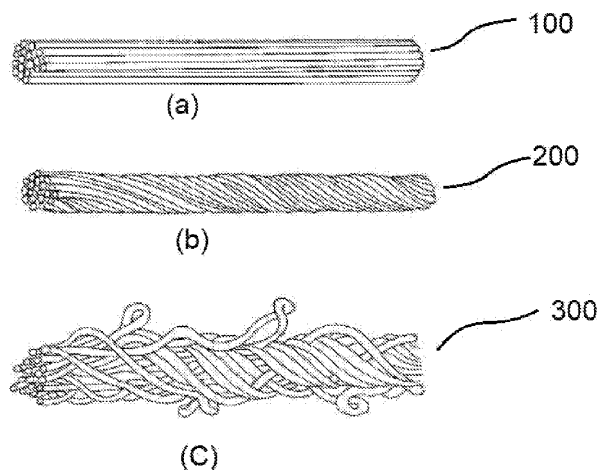


FIG. 1

(57) Abstract: A polymeric yarn composition having antimicrobial and/or antibacterial properties includes: (i) an herbal masterbatch, and (ii) a base polymer. The base polymer includes one of polybutylene terephthalate (PBT) or polyethylene terephthalate (PET), or polyamides, or polypropylene. Further, the herbal masterbatch includes: (a) an herbal component from Neem or Turmeric or extract or combination thereof, and (b) a carrier polymer. The carrier polymer may be the same as the base polymer and includes one of: PBT, PET, polyamides or polypropylene. To make a polymeric yarn, the herbal masterbatch and the base polymer are melted and extruded together to obtain the polymeric yarn having the herbal component in a range of 0.01% to 10% by weight of the polymeric yarn.

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