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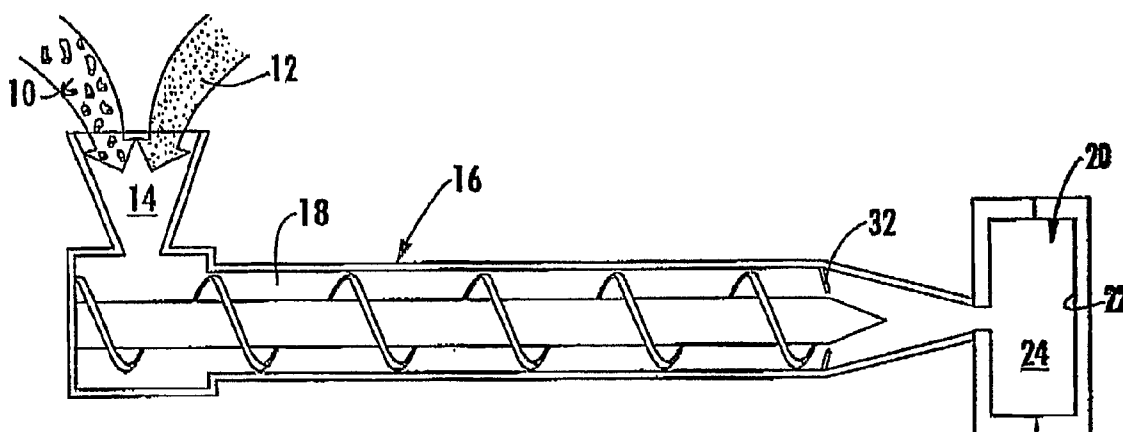
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(54) Title: IN-MOLD METALLIZED POLYMER COMPONENTS AND METHOD OF MANUFACTURING SAME



(57) Abstract: A method is provided for forming a net shape molded component that includes an integral metallized coating (12) or layer on the exterior surface thereof. The method includes injecting a carefully matched mixture of a molten polymer (10) resin and a molten metallic alloy (12) into a mold cavity (20) under pressure. Due to the differential in material viscosities, the metal (12) tends to migrate to the outer surface (22) of the molded part when placed under pressure, ultimately creating a net shape molded part (34) having a polymer core (10) with a metallic layer (12) at the exterior surfaces thereof. Further, the present invention provides for the compounding of a feedstock (40) suitable for use in conjunction with the method described above.