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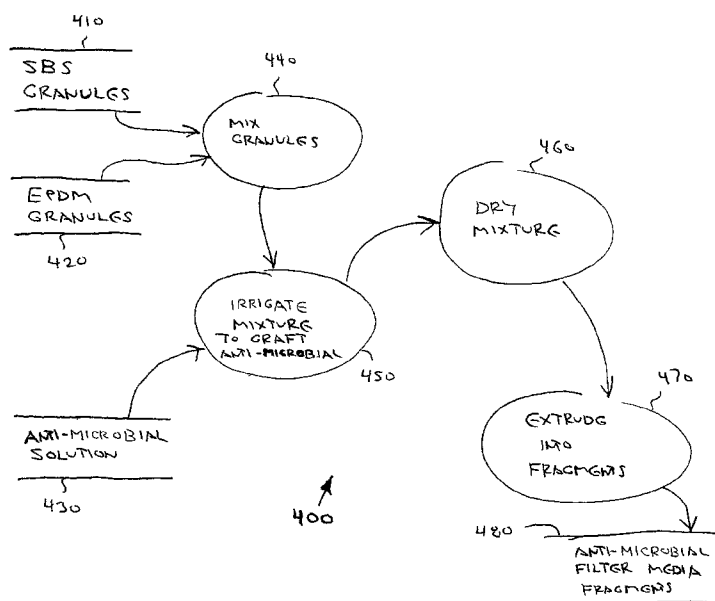
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(54) Title: DUAL-ACTION DECONTAMINATION SYSTEM



(57) Abstract: Hydrophobic polymer granules of SBS (410) and EPDM (420) are mixed (440) and irrigated (450) with an antimicrobial compound (430). After drying (460), the resulting mixture is extruded into fragments (470). With antimicrobial compound applied to their exterior surfaces by this or other suitable methods, the treated fragments can reduce proliferation of microbial organisms as well as sorb chemical contaminants from the water. By employing this dual decontamination action, filter systems employing such particles can improve the quality of runoff water (or other contaminated water streams) and reduce the risk presented by potentially harmful organisms.



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