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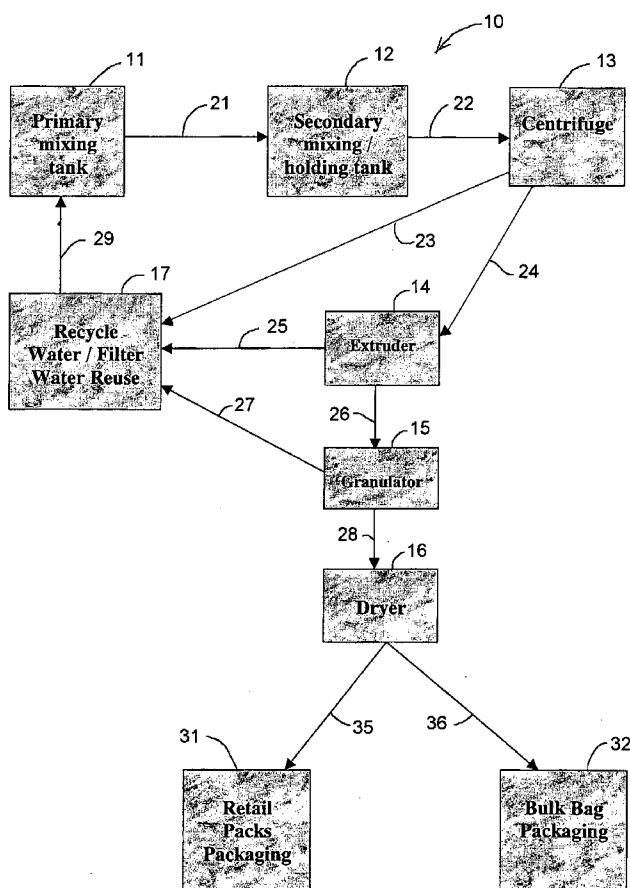
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(54) Title: **IMPROVED MODIFIED SUBSTRATE FOR REMOVING AQUEOUS OXYANIONS**



(57) Abstract: A modified substrate for removing aqueous oxyanions formed by: selecting a substrate from minerals or mineral equivalents having a naturally moderate to high cation exchange capacity; forming a substrate modifier from salts of the Group IIIB and Group IVB elements by dissolving one or more of the salts in water at an elevated temperature; and blending the substrate with the substrate modifier at a high shear rate.



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