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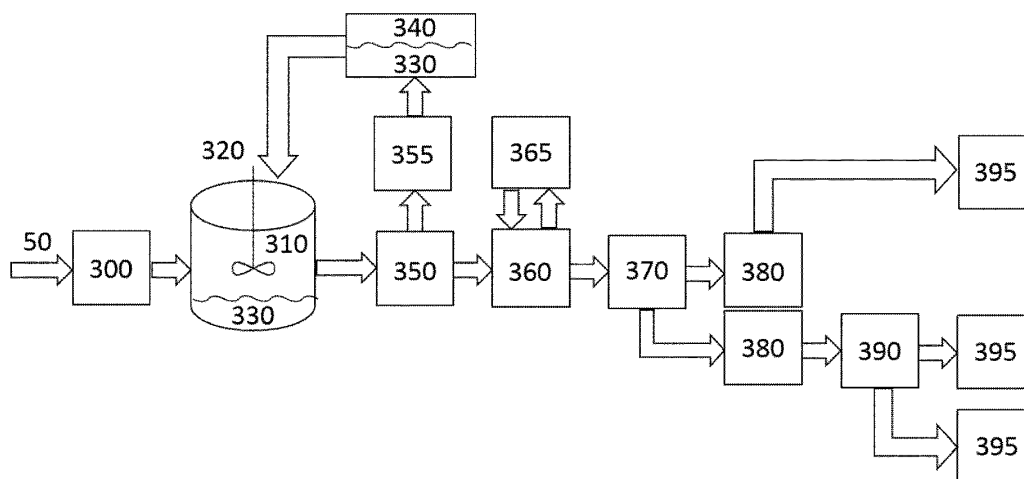
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(54) Title: SEPARATION FLUID, METHOD AND APPARATUS FOR RECYCLING MULTILAYER MATERIAL USING A PASSIVATION AGENT

Fig. 3



(57) Abstract: A method for recycling of multilayer material is disclosed. The multilayer material (10) comprises a metal layer (30) and at least one further layer (20, 40). The method comprises placing the packaging material in a vat (310) comprising a separation fluid (330) to produce a mixture of metal shreds from the metal layer (30), plastic shreds from the polymer layer (20, 40) and residual components. The separation fluid comprises a mixture comprising a mixture of water, carboxylic acid, carboxylate salt and passivation agent for passivating the surface of the metal layer.

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