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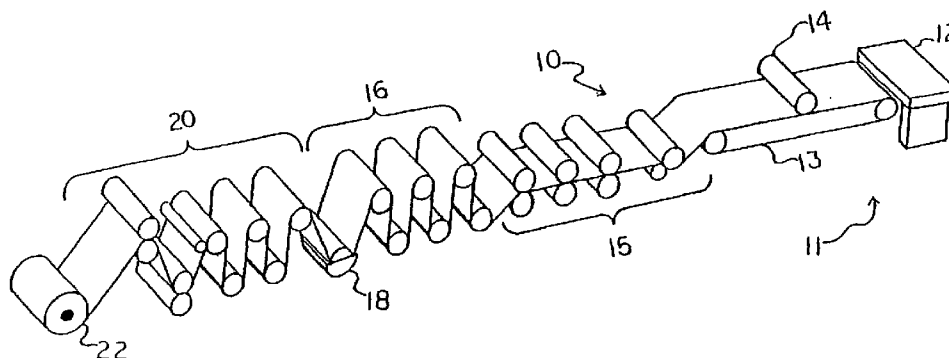
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(54) Title: COATING COMPOSITIONS COMPRISING ALKYL KETENE DIMERS AND ALKYL SUCCINIC ANHYDRIDES
FOR USE IN PAPER MAKING



(57) Abstract: Additives for paper making are disclosed herein. Specifically, the additives are wax-free alternatives to conventional coatings, including ASA, AKD and optionally an acrylic containing composition. Other additives may be included in the coating, such as cationic particles or compositions. The coatings may be used at a variety of points during the paper making process, including on the calender stack and in the wet end.