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(54) Title: PEELABLE SEALANT FILM AND PACKAGING

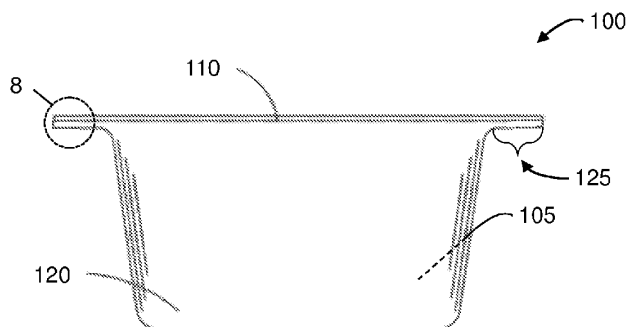


FIG. 7

(57) **Abstract:** A peelable sealant film includes a peel layer and a seal layer. The peel layer includes a blend of a peel layer primary polymer and a peel layer secondary polymer. The seal layer includes a blend of a seal layer primary polymer and a seal layer secondary polymer. The peel layer primary polymer includes polyethylene and the peel layer secondary polymer includes polybutene, polypropylene, or combinations thereof. The seal layer primary polymer includes metallocene linear low density polyethylene (mLLDPE), ethylene vinyl acetate (EVA), alpha-olefin copolymer, elastomer, or combinations thereof. The seal layer secondary polymer includes cycloolefinic copolymer (COC). The peel layer and the seal layer are directly adjacent to each other. The peel layer and the seal layer are formulated to provide excellent peelability and sealability properties. The peelable sealant film can be used in various applications, including packaging for items including food, medical devices, and industrial products.

