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(54) Title: THERMOPLASTIC POLYURETHANE FILM FOR DELIVERY OF ACTIVE AGENTS TO SKIN SURFACES

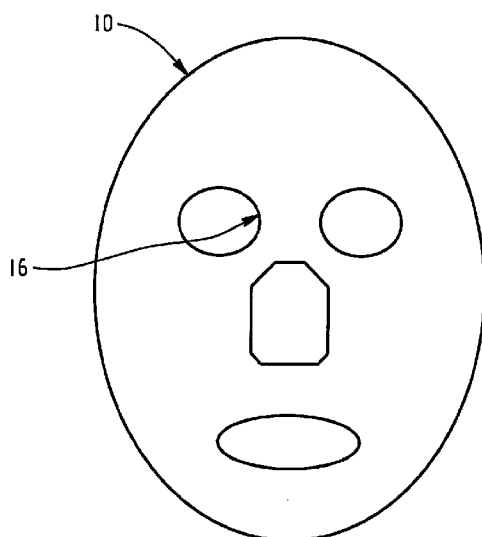


Fig. 1

(57) Abstract: A polymer film suited to use as a face mask or transdermal patch includes at least 30 wt. % of a thermoplastic polyurethane polymer which is the reaction product of a first polyether polyol having a molecular weight of at least 3000 daltons, optionally, a second polyether polyol having a molecular weight of no more than 2500 daltons, at least one of a third polyol having a molecular weight of up to 800 daltons, and a chain extender, a diisocyanate, optionally, a catalyst. The film includes up to 5 wt. % water.



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