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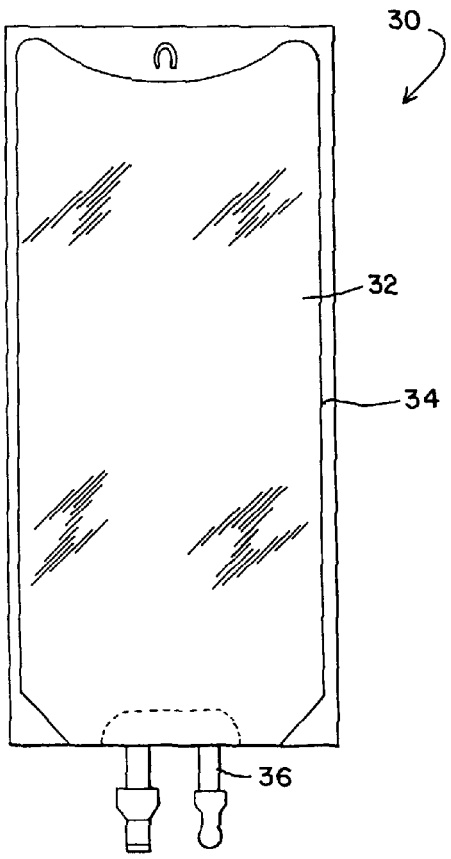
(54) Title: CONTAINERS AND PEELABLE SEAL CONTAINERS OF NEW NON-PVC MATERIAL



(57) Abstract: The present invention provides a flowable materials container (30). The container (30) has a first sidewall (32) and a second sidewall (32) sealed together along a peripheral seam (34) to define a fluid chamber. At least one sidewall (32) is a film (10) having at least one layer of blend of a first component selected from the group of: (1) ethylene and α-olefin copolymers having a density of less than about 0.915 g/cc, (2) ethylene copolymerized with lower alkyl acrylates, (3) ethylene copolymerized with lower alkyl substituted alkyl acrylates and (4) ionomers, the first component being present in an amount from about 99 % to about 55 % by weight of the blend, a second component in an amount by weight of the blend from about 45 % to about 1 % and consists of one or more polymers of the group: (1) propylene containing polymers, (2) polybutene polymers, (3) polymethylpentene polymers, (4) cyclic olefin containing polymers and (5) bridged polycyclic hydrocarbon containing polymers; and the film (10) has a modulus of elasticity when measured in accordance with ASTM D882 of less than about 60,000 psi, an internal haze when measured in accordance with ASTM D1003 of less than about 25 %, an internal adhesion ranking of greater than about 2, a sample creep at 120 °C under 27 psi loading of less than or equal to 150 % for a film having a thickness of from about 5 mils to about 15 mils, and the film (10) can be heat sealed into a container (30) having seals wherein the seals remain intact when the container is autoclaved at 121 °C for one hour.

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