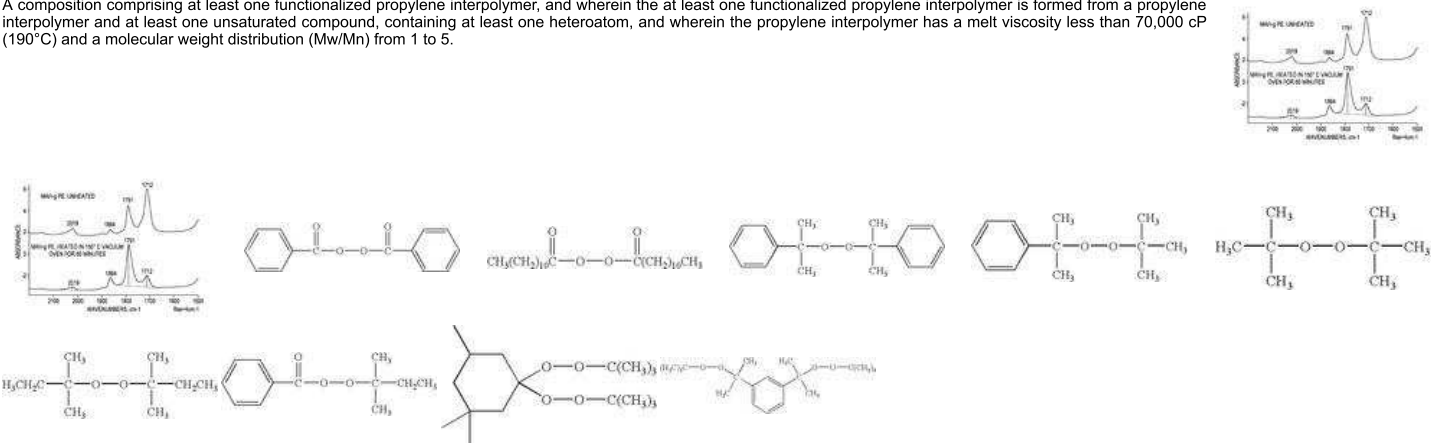
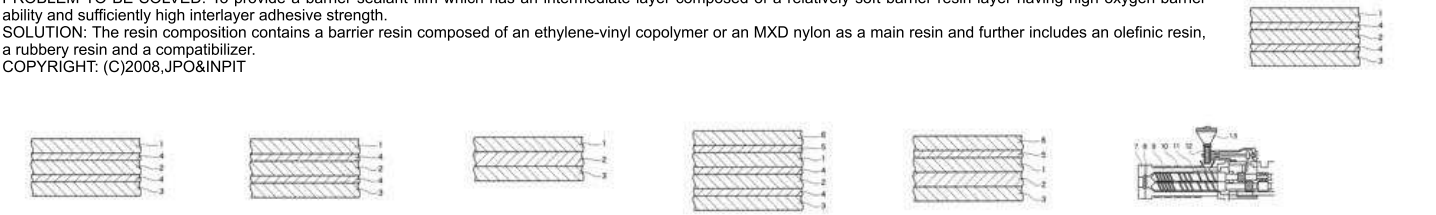
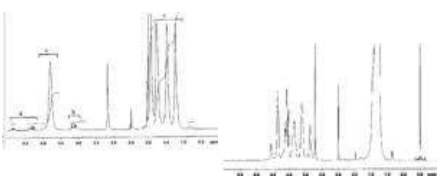


#	Title	Publication number	1st app. date	Applicant/Assignee	1st publ. date	Publ. date
1.	Functionalized ethylene/ α -olefin interpolymer compositions The invention relates to functionalized interpolymers derived from base olefin interpolymers, which are prepared by polymerizing one or more monomers or mixtures of monomers, such as ethylene and one or more comonomers, to form an interpolymer products having unique physical properties. The functionalized olefin interpolymers contain two or more differing regions or segments (blocks), resulting in unique processing and physical properties.	CN101296957	2006-03-15	DOW GLOBAL TECHNOLOGIES*	2008-10-29	2008-10-29
2.	Multilayer plastic container [Problems] To provide a multilayered plastic container which exhibits excellent oxygen-barrier property of the ethylene-vinyl alcohol copolymer to a sufficient degree without the need of providing a special adhesive layer, and which, when a polyolefin resin is used to form the inner and outer layers, too, not only permits the ethylene-vinyl alcohol copolymer to be effectively used but also makes it very easy to set the conditions for satisfying predetermined properties. [Means for Solution] A multilayered plastic container comprising an oxygen-barrier layer of an ethylene-vinyl alcohol copolymer that serves as a matrix and an adhesive intermediate layer of a blend of an ethylene-vinyl alcohol copolymer and a maleic anhydride-modified olefin resin neighboring each other between an inner layer and an outer layer, wherein both the ethylene-vinyl alcohol copolymer used for forming said oxygen-barrier layer and the ethylene-vinyl alcohol copolymer used for forming said adhesive intermediate layer have an ethylene content of 20 to 60 mol%; and said adhesive intermediate layer contains said ethylene-vinyl alcohol copolymer and the maleic anhydride-modified olefin resin at a weight ratio of 4:6 to 8:2, and contains, as said maleic anhydride-modified olefin resin, a high MFR component having an MFR at 190°C of 100 to 500 g/10 min. and a low MFR component having an MFR at 190°C of 2 to 90 g/10 min.	WO2012067147	2010-11-18	TOYO SEIKAN GROUP HOLDINGS TOYO SEIKAN KAISHA* TOYOTA SEKONDI CHI TEA	2012-05-24	2012-05-24
3.	Matte film, interior material using the same, and method for producing matte film PROBLEM TO BE SOLVED: To provide a matte film suppressing formation of die drool during melt molding, maintaining film-forming properties of a resin composition and low glossiness of the resultant film, and allowing an interior material such as wallpaper using the film to improve workability thereof, to provide the interior material using the matte film, and to provide a method for producing the matte film.SOLUTION: The matte film is molded from the resin composition containing an ethylene-vinyl alcohol copolymer (A), an acid-modified polyolefin (B) and a thermoplastic elastomer (C). In the matte film, the total content of the acid-modified polyolefin (B) and the thermoplastic elastomer (C), based on 100 pts.mass of the ethylene-vinyl alcohol copolymer (A), is ≥5 pts.mass and ≤100 pts.mass, and the melt index of the thermoplastic elastomer (C) is ≥2 g/10 min and ≤18 g/10 min. The mass-average acid value of the thermoplastic elastomer (C) is ≥2.5 mg KOH/g and ≤20 mg KOH/g.	JP2011252101	2010-06-03	KURARAY*	2011-12-15	2011-12-15
4.	Matte film, interior material using the film and method for producing matte film PROBLEM TO BE SOLVED: To provide: a matte film keeping film-forming property of a resin composition and low gloss of the obtained film and capable of improving applicability of an interior material such as wallpaper produced by using the film; the interior material produced by using the matte film; and a method for producing the matte film. SOLUTION: The matte film is formed of a resin composition containing (A) an ethylene-vinyl alcohol copolymer, (B) an acid-modified polyolefin and (C) a thermoplastic elastomer, wherein the total content of the acid-modified polyolefin (B) and the thermoplastic elastomer (C) is ≥5 pts.mass and ≤100 pts.mass based on 100 pts.mass of the ethylene-vinyl alcohol copolymer (A), and the thermoplastic elastomer (C) has a melt index of ≥2 g/10 min and ≤18 g/10 min. COPYRIGHT: (C)2011 JPQ&INPIT	JP2011157539	2010-06-03	KURARAY*	2011-08-18	2011-08-18

5.	Functionalized olefin interpolymers, compositions and articles prepared therefrom, and methods for making the same	WO2007146875	2007-06-11	DOW GLOBAL TECHNOLOGIES*	2007-12-21 2007-12-21
A composition comprising at least one functionalized propylene interpolymers, and wherein the at least one functionalized propylene interpolymers is formed from a propylene interpolymers and at least one unsaturated compound, containing at least one heteroatom, and wherein the propylene interpolymers has a melt viscosity less than 70,000 cP (190°C) and a molecular weight distribution (Mw/Mn) from 1 to 5.					
					
6.	Resin composition, barrier sealant film and manufacturing process of barrier sealant film	JP2008150539	2006-12-20	DAI NIPPON PRINTING*	2008-07-03 2008-07-03
PROBLEM TO BE SOLVED: To provide a barrier sealant film which has an intermediate layer composed of a relatively soft barrier resin layer having high oxygen-barrier ability and sufficiently high interlayer adhesive strength. SOLUTION: The resin composition contains a barrier resin composed of an ethylene-vinyl copolymer or an MXD nylon as a main resin and further includes an olefinic resin, a rubbery resin and a compatibilizer. COPYRIGHT: (C)2008,JPO&INPIT					
					
7.	Resin composition and multilayer structure produced by using the same	JP2006096816	2004-09-28	NIPPON SYNTHETIC CHEMICAL INDUSTRY*	2006-04-13 2006-04-13
PROBLEM TO BE SOLVED: To provide a resin composition having excellent gas barrier property and impact resistance and keeping excellent transparency and gas barrier property even after the application of impact force and provide a multilayer structure produced by using the resin composition. SOLUTION: The resin composition is produced by blending (A) an ethylene-vinyl alcohol copolymer and an acid-modified polyolefin resin. The ethylene-vinyl alcohol copolymer A contains a structure unit expressed by formula (1) and is preferably produced by copolymerizing 3,4-diacetoxy-1-butene, a vinyl ester monomer and ethylene and saponifying the obtained copolymer. In the formula, X is an arbitrary linking chain excluding ether bond; R1 to R4 are each independently an arbitrary substituent group; and n is 0 or 1. COPYRIGHT: (C)2006,JPO&NCIPI					
					
8.	Resin composition and production thereof	EP0560369	1992-03-13	NIPPON SYNTHETIC CHEMICAL INDUSTRY*	1993-09-15 1993-09-15
A resin composition comprising (A) a saponified ethylene-vinyl acetate copolymer having an ethylene content of 20 to 60 mole percent and a saponification degree of not less than 90 mole percent, (B) a polyolefin resin, (C) a carboxylic acid-modified polyolefin resin and (D) a lower fatty acid alkaline earth metal salt, characterized in: that the proportion of (A) relative to the total amount of (A) plus (B) plus (C) is 0.3 to 0.7 on the weight basis; that the composition contains the carbonyl group in an amount of 0.002 to 0.05 equivalent per 100 grams of the total of (B) plus (C); and that the equivalent ratio between (D) and the carbonyl group in (C) is 0.5 to 5, and a method of producing the resin composition are provided.					
9.	Multilayered barrier structures for packaging applications and method for the preparation thereof	CA2028772	1989-11-15	STANDARD OIL*	1991-05-16 1991-05-16
Multilayered barrier film products providing gas and moisture barrier properties. The film products comprise at least a first polymer film having low permeability to moisture and a heterogeneous polymer blend film containing a gas barrier polymer and a second polymer distributed in the gas barrier polymer, so as to allow the heterogeneous polymer blend film to adhere to the first polymer film. A method for the preparation of multilayered barrier film products includes the steps of forming a gas barrier polymer film from a heterogeneous polymer blend containing a gas barrier polymer and a second polymer and, bonding a moisture barrier polymer film to at least one side of the gas barrier polymer film. The method can be practiced utilizing conventional coextrusion equipment.					
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