SELECT distinct tls201_appln.appln_id, appln_auth, appln_nr, appln_filing_date, earliest_filing_year, granted, nb_citing_docdb_fam, nb_applicants, nb_inventors, ipc_class_symbol, cpc_class_symbol, publn_auth, publn_nr FROM tls201_appln JOIN tls209_appln_ipc ipc1 ON tls201_appln.appln_id = ipc1.appln_id JOIN tls224_appln_cpc cpc2 ON tls201_appln.appln_id = cpc2.appln_id JOIN tls202_appln_title on tls201_appln.appln_id = tls202_appln_title.appln_id JOIN tls203_appln_abstr ON tls201_appln.appln_id = tls203_appln_abstr.appln_id JOIN tls207_pers_appln ON tls201_appln.appln_id = tls207_pers_appln.appln_id JOIN tls206_person ON tls201_appln.appln_id = tls211_pat_publn.appln_id where /*(left (cpc2.cpc_class_symbol,8) in ( 'B03B', 'B02C 13', 'B30B 9', 'B09B 3', 'B32B') OR left (ipc1.ipc_class_symbol,8) in ('B03B', 'B02C 13', 'B30B 9', 'B09B 3', 'B32B')) AND*/ (appln_abstract LIKE '%glass%' OR appln_abstract LIKE '% laminated glass%' OR appln_abstract like '%laminate glass%' OR appln_abstract like '%laminated glass%' OR appln_abstract like '%tempered glass%' OR appln_abstract LIKE '%safety-glass%' OR appln_abstract like '%laminat-glass%' OR appln_abstract like '%laminate-glass%' OR appln_abstract like '%tempered-glass%' OR appln_abstract like '%tempered-glass%' OR appln_abstract like '%laminate-glass%' OR appln_abstract like '%laminated-glass%' OR appln_abstract like '%tempered-glass%' OR appln_abstract like '%laminate-glass%' OR appln_abstract like '%tempered-glass%' OR appln_abstract like '%vetro stratificato%' OR appln_abstract like '%vetro laminato%' OR appln_abstract like '%vetro temperato%' OR appln_abstract like '%verre feuilllete%' OR appln_abstract like '%vidrio laminado%' OR appln_abstract like '%vidro temperado%' OR appln_abstract like '%verbundglass%' OR appln_title LIKE '%glass%' OR appln_title LIKE '% laminated glass%' OR appln_title like '%laminate glass%' OR appln_title like '%laminated glass%' OR appln_title like '%tempered glass%' OR appln_title LIKE '%safety-glass%' OR appln_title like '%laminat-glass%' OR appln_title like '%laminate-glass%' OR appln_title like '%tempered-glass%' OR appln_title like '%laminate-glass%' OR appln_title like '%tempered-glass%' OR appln_title like '%vetro stratificato%' OR appln_title like '%vetro laminato%' OR appln_title like '%vetro temperato%' OR appln_title like '%verre feuilllete%' OR appln_title like '%vidrio laminado%' OR appln_title like '%vidro temperado%' OR appln_title like '%verbundglass%') AND earliest_filing_year between 1997 and 2017 INTERSECT SELECT distinct tls201_appln.appln_id, appln_auth, appln_nr, appln_filing_date, earliest_filing_year, granted, nb_citing_docdb_fam, nb_applicants, nb_inventors, ipc_class_symbol, cpc_class_symbol, publn_auth, publn_nr FROM tls201_appln JOIN tls209_appln_ipc ipc1 ON tls201_appln.appln_id = ipc1.appln_id JOIN tls224_appln_cpc cpc2 ON tls201_appln.appln_id = cpc2.appln_id JOIN tls202_appln_title on tls201_appln.appln_id = tls202_appln_title.appln_id JOIN tls203_appln_abstr ON tls201_appln.appln_id = tls203_appln_abstr.appln_id JOIN tls207_pers_appln ON tls201_appln.appln_id = tls207_pers_appln.appln_id JOIN tls206_person ON tls201_appln.appln_id = tls211_pat_publn.appln_id where /*(left (cpc2.cpc_class_symbol,8) in ( 'B29B 17', 'Y02W 30', 'B32B') OR left (ipc1.ipc_class_symbol,8) in ('B29B 17', 'Y02W 30', 'B32B') AND*/ (appln_abstract LIKE '%thermoplastic%poly%urethane%' OR appln_title LIKE '%thermoplastic%poly%urethane%' OR appln_title LIKE '%thermoplastisches%Polyurethan%' OR appln_title LIKE '%thermoplastisches%Polyurethan%' OR appln_title LIKE '%thermoplastisch%Polyurethan%' OR appln_title LIKE '%thermoplastisch%Polyurethan%' OR appln_title LIKE '%thermoplastisch%Polyurethan%' OR appln_title LIKE '%thermoplastisch%Polyurethan%') AND earliest_filing_year between 1997 and 2017 INTERSECT SELECT distinct tls201_appln.appln_id, appln_auth, appln_nr, appln_filing_date, earliest_filing_year, granted, nb_citing_docdb_fam, nb_applicants, nb_inventors, ipc_class_symbol, cpc_class_symbol, publn_auth, publn_nr FROM tls201_appln JOIN tls209_appln_ipc ipc1 ON tls201_appln.appln_id = ipc1.appln_id JOIN tls224_appln_cpc cpc2 ON tls201_appln.appln_id = cpc2.appln_id JOIN tls202_appln_title on tls201_appln.appln_id = tls202_appln_title.appln_id JOIN tls203_appln_abstr ON tls201_appln.appln_id = tls203_appln_abstr.appln_id JOIN tls207_pers_appln ON tls201_appln.appln_id = tls207_pers_appln.appln_id JOIN tls206_person ON tls201_appln.appln_id = tls206_person.appln_id JOIN tls211_pat_publn ON tls201_appln.appln_id = tls211_pat_publn.appln_id where /*(left (cpc2.cpc_class_symbol,8) in ( 'B29B 17', 'Y02W 30', 'B32B') OR left (ipc1.ipc_class_symbol,8) in ('B29B 17', 'Y02W 30', 'B32B') AND*/ (appln_abstract LIKE '%thermoplastic%poly%urethane%' OR appln_title LIKE '%thermoplastic%poly%urethane%' OR appln_title LIKE '%thermoplastisches%Polyurethan%' OR appln_title LIKE '%thermoplastisches%Polyurethan%' OR appln_title LIKE '%thermoplastisch%Polyurethan%' OR appln_title LIKE '%thermoplastisch%Polyurethan%' OR appln_title LIKE '%thermoplastisch%Polyurethan%') AND earliest_filing_year between 1997 and 2017
3 documents
PURPOSE: Provided are a thermoplastic resin composition using waste plastic and industrial waste, a device for producing the same, and a method for producing the same by using the device. CONSTITUTION: The thermoplastic resin composition is prepared by mixing 50-99 parts by weight of waste plastic and 1-50 parts by weight of industrial waste as fillers. The waste plastic is one group selected from polyethylene, polypropylene, and polyurethane. The industrial waste is any one of fly ash of anthracite, fly ash of bituminous coal, pulp ash, lime powder, blast furnace slag, iron oxide, glass fiber and a mixture thereof. The thermoplastic resin composition obtained by using the waste plastic and industrial has 80-100% or more of physical properties based on those of freshly produced resin.
PURPOSE: A cableveyor manufactured from waste plastic and waste polyurethane powder is provided to have excellent strength and flame retardance by filling thermoplastic waste polyurethane block powder with flame retardance. CONSTITUTION: A cableveyor manufactured from waste plastic and waste polyurethane powder consists of 40-60 parts by weight of waste polypropylene pellets, 20-30 parts by weight of polyurethane block powder, 5-15 parts by weight of an activator, 10-20 parts by weight of a flame retardant and filler, and 0.5-5 parts by weight of pigment, or consists of 40 weight% of waste polypropylene pellet, 15 weight% of waste polyurethane block powder, 5 weight% of glass fiber, 25 weight% of flame retardant and filler, 5 weight% of polyethylene wax, and 3 weight% of a color modifier.
The utility model relates to a food grade cocktail packaging bag, and solves the problems that the conventional cocktail glass bottles are heavy, fragile, inconvenient in transportation, high in manufacturing cost, single in volume, tedious in conveying, difficult in cocktail mixing, and the like.

The technical scheme for solving the problems is that a food grade cocktail packaging bag comprises a packaging bag body and a bag cover which are made of a composite film; the inner layer of the composite film is a low density polyethylene film or a thermoplastic polyurethane film, and the outer layer is a polyethylene terephthalate film; the inner layer and the outer layer are bonded via an intermediate layer of polyurethane film; the top of the bag body is an opening; and the bag cover is covered on the opening of the bag body; the food grade cocktail packaging bag is ingenious in structure, low investment cost, portable and convenient, easy to be transported, safe and transparent, green and harmless, convenient for sell, recyclable, strong in controllability of packaging bag; the food grade cocktail packaging bag is able to be mass produced, can be made into packaging bags of different volumes, and enables everyone to try enjoying cocktail mixing.