

Title (en)
Oil-resistant filter wrapping paper

Title (de)
Ölbeständiges Filterhüllpapier

Title (fr)
Papier d'enveloppe de filtre comprenant de l'huile

Publication
EP 2551407 A1 20130130 (DE)

Application
EP 11175809 A 20110728

Priority
EP 11175809 A 20110728

Abstract (en)
The filter wrapper paper for a smoking article, is claimed, where the filter wrapper paper: has a content of long-fiber pulp of 40 wt.% relative to the pure fiber mass of the paper, and a filler content of less than 6 wt.%, relative to the total mass of the paper; and is impregnated with a material that is provided for forming an aqueous solution or an aqueous suspension. The filter wrapper paper has a basis weight of 20-25 g/m² without impregnation, and/or the finished filter wrapper paper has a basis weight of 205-390 g/m². The filter wrapper paper for a smoking article, is claimed, where the filter wrapper paper: has a content of long-fiber pulp of 40 wt.% relative to the pure fiber mass of the paper, and a filler content of less than 6 wt.% relative to the total mass of the paper; and is impregnated with a material that is provided for forming an aqueous solution or an aqueous suspension. The filter wrapper paper has a basis weight of 20-25 g/m² without impregnation, and/or the finished filter wrapper paper has a basis weight of 205-390 g/m². The contribution of the material of the impregnation to the basis weight of the finished filter paper is 1.3-2 g/m². An average fiber length of the unmilled long fiber pulp is ≥ 2 mm. The filter wrapper paper is printed or sprayed on other material layer, which is applied on a side facing filter plug. The contribution of the other material layer to the basis weight of the finished wrapper paper in a treated area is 2-4 g/m². The material of the other material layer is adapted to form an aqueous solution or suspension. The filter wrapper paper is configured to bond the filter plugs and/or a tipping paper without using the adhesive after humidification. Independent claims are included for: (1) a method for producing a filter wrapper paper for a smoking article; and (2) a smoking article.

Abstract (de)
Gezeigt wird ein Filterhüllpapier für einen Rauchartikel, das einen Anteil an Langfaserzellstoff von mindestens 30 Gew.-%, vorzugsweise mindestens 40 Gew.-% bezogen auf die reine Fasermasse des Papiers hat. Der Mahlgrad des Langfaserzellstoffs nach ISO 5267, Schopper-Riegler-Verfahren beträgt zwischen 80 °SR und 100 °SR, vorzugsweise zwischen 85 °SR und 95 °SR. Das Filterhüllpapier hat einen Füllstoffgehalt von weniger als 10 Gew.-%, vorzugsweise weniger als 8 Gew.-% und besonders vorzugsweise weniger als 6 Gew.-% bezogen auf die Gesamtmasse des Papiers und ist mit einem Material imprägniert, das geeignet ist, eine wässrige Zusammensetzung, insbesondere eine wässrige Lösung oder Suspension zu bilden. Die Ölbeständigkeit des Filterhüllpapiers weist einen KIT-Level nach Tappi T559 cm-02 von mindestens 4, vorzugsweise von mindestens 5 auf.

IPC 8 full level
D21H 27/08 (2006.01); **A24D 1/02** (2006.01); **A24D 3/10** (2006.01)

CPC (source: EP US)
A24D 1/02 (2013.01 - EP US); **A24D 3/02** (2013.01 - EP US); **A24D 3/06** (2013.01 - EP US); **A24D 3/061** (2013.01 - EP US); **D21H 15/06** (2013.01 - EP US); **D21H 17/28** (2013.01 - EP US); **D21H 17/30** (2013.01 - EP US); **D21H 17/31** (2013.01 - EP US); **D21H 27/08** (2013.01 - EP US)

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