

Title (en)

METHOD FOR PRODUCING A CELLULOSE-FIBRE-BASED DRINKING STRAW

Title (de)

VERFAHREN ZUR HERSTELLUNG VON CELLULOSEFASER-BASIERTEN TRINKHALMEN

Title (fr)

PROCÉDÉ POUR PRODUIRE DES PAILLES À BASE DE FIBRES CELLULOSIQUES

Publication

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Application

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Abstract (en)

[origin: WO2022006608A1] The invention relates to a method for producing cellulose-fibre-based drinking straws (1) and to a cellulose-fibre-based drinking straw (1). The method comprises the following steps: - providing a cellulose material (2), - producing at least one aqueous suspension (3) comprising the cellulose material (2) and optionally adding additives (4) to the suspension (3), - homogenising the at least one aqueous suspension (3) and pre-drying to form at least one water-containing non-woven web (5) having a first side (6) and a second side (7), - drying the at least one water-containing non-woven web (5) in a plurality of drying steps to form at least one paper web (8) having a first side (6) and a second side (7), - further processing the at least one paper web (8) or a plurality of the paper webs (8) to form a cellulose-fibre-based drinking straw (1). According to the invention, at least the first side (6) of the at least one non-woven web (5) is compressed with a line load of 80 kN/m to 500 kN/m before, during or after one of the drying steps and before being further processed to form a cellulose-fibre-based drinking straw (1).

IPC 8 full level

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