

Title (en)
NON-WOVEN LONG-FIBRE SHEET PRODUCT AND PROCESS FOR ITS MANUFACTURE

Publication
EP 0177425 B1 19890329 (FR)

Application
EP 85401922 A 19851002

Priority
FR 8415315 A 19841005

Abstract (en)
[origin: EP0177425A1] 1. Method for manufacturing a suspension of long fibres usable in a paper machine, these fibres having a length of at least 12-18-24-30 or 34 mm respectively for sizes of 1.7-3.3-4.4-6.7 or 11 decitex, characterized in that it comprises the following steps : a) in a first water dose, a first dose of first greased long fibres is suspended and a first dose of a first polyelectrolyte having a high molecular weight and the same ionic character as the hydrated greasing of said first fibres is added thereto, the weight proportion of said first polyelectrolyte being comprised between 0,2 and 0,5 % of the weight of said first fibres ; b) after stabilization of the suspension formed under a), a second water dose is added thereto and then a second dose of second long fibres, the hydrated greasing of which has the same ionic character as that of said first fibres, as well as a second dose of a second polyelectrolyte having a high molecular weight and the same ionic character as the hydrated greasing of said second fibres, the cumulated weight proportion of the first and second polyelectrolytes with respect to the cumulated weight of said first and second fibres remaining within the same range as that of said first polyelectrolyte with respect to said first fibres ; c) the manufacturing of said suspension of long fibres is carried on up to the nths adding to the cumulated suspension containing the (n-1)th first fibres, a nth water dose and then a nth dose of nth long fibres, the hydrated greasing of which has the same ionic character as that of the (n-1)th fibres, as well as a nth dose of a nth polyelectrolyte having a high molecular weight and the same ionic character as the hydrated greasing of said (n-1)th fibres, the cumulated weight proportion of the n polyelectrolytes with respect to the cumulated weight of said n fibres remaining within the same range as that of the first polyelectrolyte with respect to said first fibres.

IPC 1-7
D21H 5/12; **D06N 5/00**; **E04D 5/02**

IPC 8 full level
D04H 5/08 (2006.01); **D06N 5/00** (2006.01); **E04D 5/02** (2006.01)

CPC (source: EP)
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Cited by
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