

[SS 14] hydroentang+ and support

Results in EPODOC 63

[SS 15] 14 and (fabric or nonwoven or woven) and (protuberance or ridges or grooves and structured)

Different expressions or operators have been used without brackets. ERROR(-50002)

[SS 15] 14 and (fabric or nonwoven or woven) and (protuberance or ridges or grooves or structured)

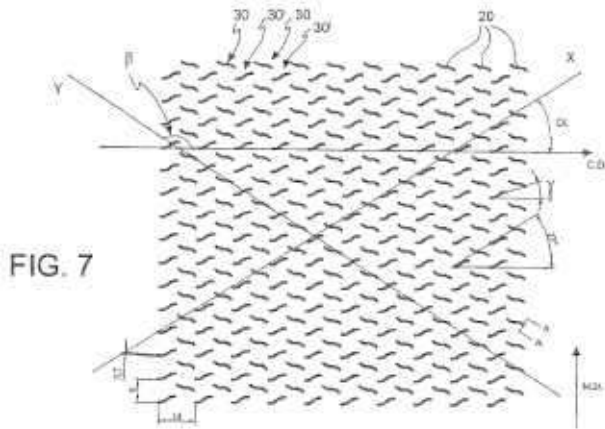
Results in EPODOC 1

[SS 16] ..li



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[D04H5/06](#) ; [D06C23/04](#)
- CQI - [B32B23/00](#) ; [D04H3/005](#) ;
[D04H3/007](#) ; [D04H3/009](#)
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[B32B2555/00](#) ; [Y10T428/2457](#)
- PA - (A1 B1)
SUOMINEN CORP [FI]
- TI - (A1 B1)
Process of making **nonwoven**
calendered fabrics and calender
- AB - (A1)
The present invention relates to
the field of **nonwoven** textile
products and is applied to the



manufacture of **nonwoven** fabrics, particularly general **nonwoven** products, for various applications such as household use, personal and hygienic care. In particular, the present invention is applied to the manufacture of wipes and cleaning cloths. In particular, the present invention relates to a process for manufacturing a **nonwoven fabric** material, the process comprising: a) Laying on a **support** at least one layer of a biodegradable material in the form of long fibres or continuous filaments; b) **Hydroentangling** the said layers and drying the **hydroentangled** material; c) Calendering the dried material of step b) to create on the material a calendered pattern which is able to provide a balanced ratio of MD/CD average tensile strength to the **nonwoven fabric** material, the said balanced ratio of MD/CD average tensile strength being in the range of 1:1 and 4:1, wherein the calendering step is performed with a calender having ribs (20) evenly alternating with **grooves** so that to define a calendering pattern (1) thereon.