

Title (en)  
Flameproof fleece containing regenerated cellulose fibres

Title (de)  
Flammfestes Vlies, das Celluloseregeneratfasern umfasst

Title (fr)  
Nappe ininflammable contenant des fibres cellulosiques régénérées

Publication  
**EP 1229165 A1 20020807 (DE)**

Application  
**EP 02000887 A 20020115**

Priority  
DE 10104277 A 20010131

Abstract (en)  
Cellulose fleece has a fire-retardant additive with a limiting oxygen index (LOI) of at least 65. The cellulose material is Lycocell which may be crushed and converted to fibre. The fire retardant fleece has a specific weight of 11 to 150 g/m. The fire retardant additive is cyclic and acyclic phosphonate and di-phosphonate-ester, alkyl-phosphonic acids, chlorinated phosphoric compounds, organic phosphor nitric oxide compounds, or inorganic phosphor compounds, pyro-phosphoric acids, organic nitric oxide compounds, or any desired combination of these. The fleece incorporates at least 40 per cent by weight fire-retardant additives. Also claimed is a process to manufacture the fire-retardant fleece using a paper manufacturing machine and primary fibre material having a crushability of 5 to 75 SR. The flame retardant agent is applied by spray beams in a glue press.

Abstract (de)  
Beschrieben wird flammfestes Vlies (9), das Celluloseregeneratfasern umfasst, die mit einem Flammenschutzmittel beaufschlagt sind, wobei das flammfeste Vlies einen LOI-Wert (limiting oxygen index) von mindestens 65 aufweist, sowie ein Verfahren zur Herstellung desselben auf einer Papiermaschine.

IPC 1-7  
**D21H 21/34**; **D21H 23/24**

IPC 8 full level  
**D21H 21/34** (2006.01); **D21H 13/08** (2006.01); **D21H 17/07** (2006.01); **D21H 17/10** (2006.01); **D21H 17/63** (2006.01)

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Citation (search report)

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