

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 B1 20060329 (DE)

Application
EP 02000887 A 20020115

Priority
DE 10104277 A 20010131

Abstract (en)
[origin: EP1229165A1] 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.

IPC 8 full level
D21H 21/34 (2006.01); **D21H 23/24** (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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Cited by
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