

Title (en)
A sheet of cellulosic fibers

Title (de)
Ein Blatt aus Zellulosefasern

Title (fr)
Une feuille de fibres cellulosiques

Publication
EP 0735187 A1 19961002 (EN)

Application
EP 96302098 A 19960327

Priority
US 41291495 A 19950329

Abstract (en)
Fire-resistant, paper-like sheet material (10) is provided in the form of pressed cellulosic fibers (20) containing dispersed particles of intercalated graphite (30). At least a portion of the surface area of the sheet (10) is in the form of exposed intercalated graphite (300). The sheet (10) may also contain a thermosetting resin e.g. a water soluble phenolic resin, a portion of which is exposed at the surface of the sheet (10) in the form of flattened globules (400) such that the sheet (10) can be bonded by said resin (400) to a contacting surface (510). The sheet material (10) can be applied to flammable articles, such as wood products (500) used in construction, to impact fire-resistance to these articles. <IMAGE> <IMAGE>

IPC 1-7
D21H 17/67; **D21H 27/22**

IPC 8 full level
B32B 5/22 (2006.01); **B32B 21/12** (2006.01); **D06M 23/08** (2006.01); **D21H 13/50** (2006.01); **D21H 17/67** (2006.01); **D21H 21/34** (2006.01); **D21H 27/22** (2006.01); **B29K 1/00** (2006.01); **D06M 101/00** (2006.01); **D06M 101/02** (2006.01); **D06M 101/06** (2006.01)

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D21H 13/50 (2013.01); **D21H 21/34** (2013.01); **D21H 27/22** (2013.01)

Citation (search report)
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