

Title (en)  
SHEETS PRODUCTS AND PREPARATION PROCESS THEREOF

Publication  
**EP 0031832 B1 19850220 (FR)**

Application  
**EP 80901273 A 19810209**

Priority  
FR 7917910 A 19790710

Abstract (en)  
[origin: WO8100268A1] A new process for preparing, by means of a paper manufacturing technique, a thermoplastic sheet reinforced with cellulose fibers, wherein a thermoplastic powder and cellulose fibers are used in association, if necessary with other fibers said process being characterized in that (1) an aqueous suspension is prepared from a base mixture (selected among (i) the fibers and the pulverulent thermoplastic substance when there is no non-binding mineral charge, and (ii) the fibers, the pulverulent thermoplastic substance and the non-binding mineral charge when the latter is present), an organic binder and a flocculating agent, and by means of the suspension thus obtained, a sheet is formed by wet process, and it is then wrung and dried and (2) if necessary, the thermoplastic sheet thus obtained is subjected to at least a complementary treatment, the weight ratio of pulverulent thermoplastic substance to fibers being comprised between .3 and 95. Thermoplastic reinforced sheet as a new industrial product and application thereof particularly in the field of transformation of plastic materials.

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**D21D 3/00**

IPC 8 full level  
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