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(54) Cellulosic fibre - and chitosan-based composite material and a method for the preparation thereof.

The composite material of the invention is a sheet of cellulose fibres impregnated with chitosan of at least 40% deacetylation and further impregnated with a higher fatty acid such as stearic acid by treatment with an organic solution thereof. The composite sheet of the invention differs from conventional paper and films of plastic resins in having a high strength even in a wet condition and still is biodegradable, for example, in wet soils so that no problems of environmental pollution are caused by the waste thereof left in the environment. Therefore, the composite sheet of the invention is useful as a wrapping material for foods, a sheet material for agricultural use and other temporary or seasonal uses.



EUROPEAN SEARCH REPORT

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* claims 1-9 *				
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