

Summaries of UK Patent Applications

Readily Dispersible, Anionic, Water-soluble Cellulose Derivatives and a Method for their Preparation. GB2120252A. Filed 20 April 1983, published 30 November 1983. Applicants – Hercules Inc., Wilmington, USA.

Anionic water-soluble polymers, particularly carboxymethyl and carboxymethyl hydroxyethyl cellulose are treated with a mixture of glyoxal and a sodium borate to improve dispersibility in aqueous solutions. The treatment prevents clumping and agglomeration.

Polysaccharides, their Preparation and Therapeutic Compositions Containing them. GB2120265A. Filed 17 February 1983, published 30 November 1984. Applicants – Terumo Kabushiki Kaisha, Tokyo, Japan.

Three polysaccharides with claimed antitumour activities are described. These are prepared from a hot water extract of the bark of *Melia azadirachta*. The polysaccharides are separated by gel filtration.

Polysaccharide PS-A Isolated from the Plant Genus *Epimedium violaceum* Morr. et Derne.; Process for its Preparation, and Infection-preventing Agent and Immunostimulating Agent Containing the Poly-

saccharide as Effective Ingredient. GB2120673A. Filed 20 April 1982, published 7 December 1983. Applicants – Zenzaku Koggo Kabushika Kaisha, Tokyo, Japan.

Preparation of a plant polysaccharide with a claimed range of interesting clinical effects is described. Component sugars are arabinose and galactose. The polysaccharide is water-soluble.

Cellulose-based Fibres for the Production of Non-wovens. GB2121069A. Filed 16 May 1983, published 14 December 1983. Applicants – Chemiefaser Lenzing, Lenzing, Austria.

The preparation of cellulose fibres having a low water retention capacity and a low water-holding capacity as well as a high immersion time are described. The fibres are produced in a process in which the mineral fillers, e.g. barium sulphate, and if desired hydrophobic polymers, e.g. polypropylene, are included.

Particle Depositing Washing Compound. GB2122214A. Filed 29 April 1983, published 11 January 1984. Applicants – Unilever plc, London, UK.

A composition for washing a surface to deposit substantially water insoluble particles is described. The composition contains, in addition to the particles to be deposited, an anionic surfactant and a water-soluble cationic polymer. The preferred cationic polymer is a substituted guar gum, e.g. a quaternary ammonium derivative.

Medicinal Composition Containing Pirprofen and Cyclodextrin. GB2124489A. Filed 19 July 1983, published 22 February 1984. Applicants – Ciba-Geigy AG, Basle, Switzerland.

Pharmaceutical compositions are described having anti-inflammatory and analgesic activity comprising α -[3-chloro-4-(3-pyrrolin-1-yl)-phenyl]-propionic acid (i.e. pirprofen) admixed with and/or as an inclusion compound of cyclodextrin.

Compositions Suitable for Modifying Wettability and their Use.
GB2127462A. Filed 24 August 1983, published 11 April 1984. Applicants – British Petroleum plc, London, UK.

A surface active compound useful in enhanced oil recovery is described. This compound may be prepared by the reaction of a sulphonating agent such as a sultone, e.g. propane sultone, with a polysaccharide. The preferred polysaccharide is schleroglucan although guar gum is also mentioned. In the presence of the surfactant sand was not 'wetted' by oil.