

Title (en)

NOVEL INORGANO-BIOORGANIC NANOCOMPOSITE MATERIALS, THEIR PREPARATION AND USE

Title (de)

NEUE ANORGANISCH-BIOORGANISCHE NANOKOMPOSITE, IHRE HERSTELLUNG UND VERWENDUNG

Title (fr)

NOUVEAUX MATÉRIAUX NANOCOMPOSITES INORGANO-BIO-ORGANIQUES, LEUR PRÉPARATION ET LEUR UTILISATION

Publication

**EP 2473444 A1 20120711 (EN)**

Application

**EP 10720643 A 20100430**

Priority

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Abstract (en)

[origin: WO2010128204A1] A uniform nanocomposite material and a method of producing the same. The novel material comprises an inorganic component of layered double hydroxide nanolamellae bound to at least one glycan molecule to form particles having an average size of less than 1 µm. The material can be produced by contacting and reacting in aqueous phase a dehydrated and decarbonated layered double hydroxide with a dissolved glycan to afford the formation of particles of a uniform nanocomposite material comprising a layered double hydroxide nanolamellae bound to the glycan. The materials can be used, for example, within the pharmaceutical industry.

IPC 8 full level

**C01F 7/30** (2022.01); **C01F 7/784** (2022.01); **C01F 7/785** (2022.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2010128204A1

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