

Title (en)

HYDROXYAPATITE DISPERSIONS COMPRISING AN AMINO ACID AS STABILISING AGENT AND METHOD FOR PREPARING SAME

Title (de)

DISPERSIONEN VON HYDROXYAPATIT, DIE ZUR STABILISIERUNG EINE AMINSÄURE ENTHALTEN, SOWIE SEIN HERSTELLUNGSVERFAHREN

Title (fr)

DISPERSIONS D'HYDROXYAPATITE COMPRENANT UN ACIDE AMINE EN TANT QU'AGENT STABILISANT, ET LEUR PROCEDE DE PREPARATION

Publication

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Application

**EP 02726280 A 20020425**

Priority

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Abstract (en)

[origin: WO02087746A1] The invention concerns a stable aqueous colloidal dispersion of colloids with apatite structure, having a pH ranging between 5 and 10, consisting of oblong colloids with an average number length ranging between 20 and 250 nm and an equivalent aspect ratio (number average length/equivalent diameter ratio) ranging between 1 and 300 or in spherical shape having a diameter ranging between 10 and 100 nm, and comprising one or several amino acids optionally in ionized form, as stabilising agents for said colloids with apatite structure corresponding to formula (I):  $\text{Ca}_{10-x}(\text{HPO}_4)_x(\text{PO}_4)_{6-x}(\text{J})_2$ , wherein: x and J are such as defined in Claim 1.

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