

Title (en)

REPAIR OF FRAGMENTED DNA AND TREATMENT OF HEAVY METAL INTOXICATION BY INTRAVENOUS INJECTION OF NANO-HYDROXYAPATITE

Title (de)

REPARATUR VON FRAGMENTIERTER DNA UND BEHANDLUNG VON SCHWERMETALLVERGIFTUNGEN MITTELS INTRAVENÖSER INJEKTION VON NANO-HYDROXYAPATIT

Title (fr)

RÉPARATION D'ADN FRAGMENTÉ ET TRAITEMENT D'UNE INTOXICATION AUX MÉTAUX LOURDS PAR INJECTION INTRAVEINEUSE DE NANO-HYDROXYAPATITE

Publication

EP 2574171 A1 20130403 (EN)

Application

EP 10720528 A 20100414

Priority

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Abstract (en)

[origin: WO2011124234A1] Synthesis of nano-hydroxyapatite by an organic-inorganic complexation route. Such material was injected intravenously into rats after the exposure of these rats to LD50 of toxic heavy metal. The prepared nano-hydroxyapatite success in repair the fragmented DNA within 48 hours after injection with single dose only without any side effects. Also, heart, liver and thyroid function enzymes were evaluated and the results confirmed the bio-safe usage of this made material. Therefore, the prepared nano-hydroxyapatite can be use safely as a thereby by intravenous injection with suitable doses for different diseases such as cancer, poisoning and osteoporosis.

IPC 8 full level

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CPC (source: EP)

A61K 9/0019 (2013.01); **A61K 33/42** (2013.01); **A61P 39/00** (2017.12)

Citation (search report)

See references of WO 2011124234A1

Citation (examination)

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