Title (en)

USE OF NONCALCIUM ZEOLITES WITH ADDED CALCIUM SALT IN HEMOSTATIC DEVICES AND PRODUCTS

Title (de)

VERWENDUNG VON NICHTCALCIUM-ZEOLITHEN MIT HINZUGEFÜGTEM CALCIUMSALZ FÜR BLUTSTILLENDE VORRICHTUNGEN UND PRODUKTE

Title (fr)

UTILISATION DE ZÉOLITES NON-CALCIQUES AVEC SEL DE CALCIUM AJOUTÉ DANS DES DISPOSITIFS HÉMOSTATIQUES, ET PRODUITS

Publication

EP 2059187 A2 20090520 (EN)

Application

EP 07841971 A 20070906

Priority

- US 2007077763 W 20070906
- US 53036906 A 20060908

Abstract (en)

[origin: WO2008030964A2] It is known that calcium exchanged zeolites are effective in hemostasis. The reason that Ca-exchanged zeolites are required has not been explained in the prior art, except that the presence of Ca²⁺ ions are important in the clotting mechanism. It has now been found that the addition of Ca²⁺ ions alone actually slow clotting of blood. The use of Ca-zeolites appear to be effective in hemostasis simply because they don't remove the critical Ca²⁺ from the blood by ion exchange. A NaA zeolite with an effective amount of added Ca²⁺ salt is nearly equally active in coagulation as the Ca-exchanged form of CaA zeolite.

IPC 8 full level

A61F 2/00 (2006.01); **A61K 35/14** (2006.01); **C12Q 1/56** (2006.01)

CPC (source: EP)

A61K 33/06 (2013.01); **A61K 33/38** (2013.01); **A61K 45/06** (2013.01)

Citation (search report)

See references of WO 2008030964A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2008030964 A2 20080313; **WO 2008030964 A3 20080508**; CN 101677848 A 20100324; EP 2059187 A2 20090520

DOCDB simple family (application)

US 2007077763 W 20070906; CN 200780033033 A 20070906; EP 07841971 A 20070906