

Title (en)
PROCESS FOR PROTEIN ISOLATION

Title (de)
VERFAHREN ZUR PROTEINISOLIERUNG

Title (fr)
PROCEDE D'ISOLATION DE PROTEINES

Publication
EP 1765849 A1 20070328 (EN)

Application
EP 05746991 A 20050606

Priority
• AU 2005000796 W 20050606
• AU 2004903045 A 20040607
• AU 2004906128 A 20041022

Abstract (en)
[origin: WO2005121165A1] In one aspect, the present invention is directed to a process for isolating proteins from a solution comprising proteins, wherein the solution is selected from the group consisting of: crude blood plasma, blood serum, cryosupernatant derived from plasma, fractionated human plasma, cryoprecipitate derived from plasma and recombinant broths. The process involves providing a solid separation medium having the formula: M-S-L wherein M is a matrix backbone, S is an optional spacer arm, and L is a ligand which is mercaptonicotinic acid, contacting the solid separation medium with the solution comprising the proteins, such that at least one of the proteins becomes reversibly bound to said solid separation medium. At least one elution step is then performed to selectively elute at least one protein fraction from the solid separation medium. In another aspect, the present invention is directed to a process for isolating Factor VIII and/or Factor IX.

IPC 8 full level
C07K 1/14 (2006.01); **B01D 15/08** (2006.01); **B01D 15/26** (2006.01); **B01D 15/38** (2006.01); **B01J 20/286** (2006.01); **B01J 20/289** (2006.01); **C07K 1/22** (2006.01); **C07K 14/745** (2006.01); **C07K 14/75** (2006.01); **C07K 14/755** (2006.01); **C07K 14/765** (2006.01); **C07K 14/78** (2006.01); **C07K 14/81** (2006.01); **C07K 16/00** (2006.01); **B01J 20/32** (2006.01)

CPC (source: EP KR)
B01D 15/3804 (2013.01 - EP); **B01J 20/28004** (2013.01 - EP); **B01J 20/28011** (2013.01 - EP); **B01J 20/286** (2013.01 - EP); **B01J 20/289** (2013.01 - EP); **B01J 20/3242** (2013.01 - EP); **C07K 1/14** (2013.01 - KR); **C07K 14/745** (2013.01 - EP); **C07K 14/75** (2013.01 - EP); **C07K 14/755** (2013.01 - EP); **C07K 14/765** (2013.01 - EP); **C07K 14/78** (2013.01 - EP); **C07K 14/81** (2013.01 - EP); **B01D 15/426** (2013.01 - EP)

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005121165 A1 20051222; BR PI0511893 A 20080115; CA 2569821 A1 20051222; EP 1765849 A1 20070328; EP 1765849 A4 20070905; IL 179901 A0 20070515; JP 2008511546 A 20080417; KR 20070091098 A 20070907; MX PA06014318 A 20070802; RU 2007100351 A 20080720

DOCDB simple family (application)
AU 2005000796 W 20050606; BR PI0511893 A 20050606; CA 2569821 A 20050606; EP 05746991 A 20050606; IL 17990106 A 20061207; JP 2007526106 A 20050606; KR 20077000516 A 20070108; MX PA06014318 A 20050606; RU 2007100351 A 20050606