

Title (en)
MANUFACTURING METHOD FOR INTRAVENOUS IMMUNE GLOBULIN AND RESULTANT PRODUCT

Title (de)
HERSTELLUNGSVERFAHREN FÜR INTRAVENÖSES IMMUNGLOBULIN UND RESULTIERENDES PRODUKT

Title (fr)
PROCEDE DE FABRICATION D'IMMUNOGLOBULINE INTRAVEINEUSE ET PRODUIT RESULTANT

Publication
EP 1185290 A4 20050831 (EN)

Application
EP 00942627 A 20000606

Priority
• US 0011870 W 20000606
• US 33328999 A 19990615

Abstract (en)
[origin: WO0076534A1] A continuous process for producing an intravenously-administrable gamma globulin solution substantially free of contaminating viruses by heat treating a gamma globulin solution for viral inactivation, fractionating to obtain a purified gamma globulin solution without precipitation of the desired gamma globulin and then treating the purified gamma globulin with a solvent-detergent for further viral inactivation. Partially purified gamma globulin solids is not recovered as an intermediate product during the disclosed process.

IPC 1-7
A61K 38/12; **A61K 35/14**; **C07K 16/00**; **C12N 7/04**; **C12N 7/06**

IPC 8 full level
A61K 39/395 (2006.01); **A61L 2/00** (2006.01); **C07K 16/06** (2006.01)

CPC (source: EP KR)
A61K 39/395 (2013.01 - KR); **C07K 16/065** (2013.01 - EP); **A61K 2039/505** (2013.01 - EP)

Citation (search report)
• [A] EP 0413188 A2 19910220 - BIOTEST PHARMA GMBH [DE]
• [DA] US 5371196 A 19941206 - YUKI YOSHIKAZU [JP], et al
• [A] DE 4431833 C1 19950518 - BLUTSPENDEDIENST DER DRK LANDE [DE]
• [PA] WO 9933484 A1 19990708 - ALPHA THERAPEUTIC CORP [US]
• [A] Y. UEMURA ET AL.: "Inactivation and elimination of viruses during preparation of human intravenous immunoglobulin.", VOX SANGUINIS, vol. 67, no. 3, October 1994 (1994-10-01), Switzerland, pages 246 - 254, XP000672116
• [A] F. GAO ET AL.: "Enhancement in the safety of immune globulins prepared from high-risk plasma.", VOX SANGUINIS, vol. 64, no. 4, 1993, Switzerland, pages 204 - 209, XP008036384
• [A] L. GÜRTLER: "Möglichkeiten der Virusinaktivierung von gepooltem Frischplasma mit Tri-n-butylphosphat-(TNBP-)Detergenz (SD-Verfahren) [Possibilities of virus inactivation of pooled fresh plasma with tri-n-butylphosphate (TNBP) detergents (SD procedure).]", INFUSIONSTHERAPIE UND TRANSFUSIONSMEDIZIN, vol. 21, no. suppl.1, August 1994 (1994-08-01), pages 77 - 79, XP008039494
• See references of WO 0076534A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0076534 A1 20001221; AU 5722400 A 20010102; AU 756071 B2 20030102; BR 0011648 A 20020319; CA 2375560 A1 20001221; CN 1358100 A 20020710; CZ 20014456 A3 20020515; EP 1185290 A1 20020313; EP 1185290 A4 20050831; HK 1048252 A1 20030328; IL 146433 A0 20020725; JP 2003501480 A 20030114; KR 20020010921 A 20020206; PL 352910 A1 20030922; ZA 200110168 B 20020826

DOCDB simple family (application)
US 0011870 W 20000606; AU 5722400 A 20000606; BR 0011648 A 20000606; CA 2375560 A 20000606; CN 00808372 A 20000606; CZ 20014456 A 20000606; EP 00942627 A 20000606; HK 03100222 A 20030109; IL 14643300 A 20000606; JP 2001502867 A 20000606; KR 20017015561 A 20011203; PL 35291000 A 20000606; ZA 200110168 A 20011211