

Title (en)
A SUSPENSION COMPRISING FIBRINOGEN, THROMBIN AND ALCOHOL AND A METHOD OF COATING A CARRIER WITH THE SAME

Title (de)
SUSPENSION MIT FIBRINOGEN, THROMBIN UND ALKOHOL UND VERFAHREN ZUM BESCHICHTEN EINES TRÄGERS DAMIT

Title (fr)
SUSPENSION A BASE DE FIBRINOGENE, THROMBINE ET ALCOOL ET METHODE POUR REVETIR UN SUPPORT

Publication
EP 1359947 A2 20031112 (EN)

Application
EP 02734886 A 20020125

Priority
• DK PA200100135 A 20010125
• DK PA200100235 A 20010213
• IB 0201454 W 20020125

Abstract (en)
[origin: WO02058750A2] A suspension of fibrinogen, thrombin, alcohol and optionally aprotinin is obtained by mixing fibrinogen in alcohol with thrombin in alcohol. The suspension contains fibrinogen and thrombin particles with a Folk Ward mean diameter of 25 - 100 nm. The thrombin may be human, bovine or recombinant. The fibrinogen may be human or recombinant. A method for coating a carrier, such as a collagen sponge, with the suspension, and a method for drying the coating is disclosed. The coated collagen carrier may be used as a ready-to-use absorbable composition for tissue gluing, tissue sealing and haemostasis wherein the carrier is coated with solidly fixed components of fibrin glue, i.e. fibrinogen and thrombin.

IPC 1-7
A61L 24/10

IPC 8 full level
A61K 38/46 (2006.01); **A61K 9/16** (2006.01); **A61K 38/48** (2006.01); **A61K 47/34** (2006.01); **A61K 47/36** (2006.01); **A61K 47/38** (2006.01); **A61K 47/42** (2006.01); **A61L 15/16** (2006.01); **A61L 15/22** (2006.01); **A61L 15/32** (2006.01); **A61L 15/42** (2006.01); **A61L 15/44** (2006.01); **A61L 15/64** (2006.01); **A61L 24/00** (2006.01); **A61L 24/08** (2006.01); **A61L 24/10** (2006.01); **A61L 27/00** (2006.01); **A61L 31/04** (2006.01); **A61P 7/04** (2006.01); **A61P 41/00** (2006.01); **C08H 1/06** (2006.01); **C08J 9/30** (2006.01); **C08L 89/06** (2006.01)

IPC 8 main group level
A61L (2006.01); **C08J** (2006.01); **C08L** (2006.01)

CPC (source: EP KR)
A61F 13/36 (2013.01 - EP); **A61L 15/225** (2013.01 - EP); **A61L 15/32** (2013.01 - EP); **A61L 15/325** (2013.01 - EP); **A61L 15/425** (2013.01 - EP); **A61L 15/60** (2013.01 - KR); **A61L 24/08** (2013.01 - EP); **A61L 24/106** (2013.01 - EP); **A61L 31/041** (2013.01 - EP); **A61L 31/044** (2013.01 - EP); **A61L 31/046** (2013.01 - EP); **A61P 7/04** (2018.01 - EP); **A61P 41/00** (2018.01 - EP); **C08H 1/06** (2013.01 - EP); **C08L 89/06** (2013.01 - EP); **A61F 2013/00472** (2013.01 - EP); **A61L 2400/04** (2013.01 - EP)

C-Set (source: EP)
1. **A61L 15/225 + C08L 89/00**
2. **A61L 31/041 + C08L 89/00**

Citation (examination)
• EP 1053757 B1 20030205 - WEITZEL-KAGE DORIS [DE]
• GORDON J.E.: "The New Science of Strong Materials or Why You Don't Fall Through the Floor"

Cited by
MD4471C1

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

DOCDB simple family (publication)
WO 02058750 A2 20020801; WO 02058750 A3 20021031; WO 02058750 A8 20040311; AR 032400 A1 20031105; AR 032517 A1 20031112; AR 032800 A1 20031126; AT E291445 T1 20050415; AT E310044 T1 20051215; AU 2002249528 B2 20070329; AU 2002255220 B2 20070531; AU 2002307809 B2 20071004; BG 108121 A 20040831; BG 108122 A 20040930; BG 108123 A 20040930; BG 66343 B1 20130731; BG 66420 B1 20140331; BG 66439 B1 20140829; BR 0206705 A 20040225; BR 0206705 B1 20120807; BR 0206708 A 20040225; BR 0206709 A 20040217; BR PI0206705 B8 20210727; BR PI0206708 B1 20150714; BR PI0206708 B8 20210622; BR PI0206709 B1 20150908; BR PI0206709 B8 20210622; CA 2434964 A1 20020801; CA 2434964 C 20090421; CA 2435159 A1 20020912; CA 2435159 C 20090728; CA 2435425 A1 20020801; CA 2435425 C 20100727; CL 2015003111 A1 20160708; CN 1246047 C 20060322; CN 1264578 C 20060719; CN 1290907 C 20061220; CN 1487843 A 20040407; CN 1487967 A 20040407; CN 1507358 A 20040623; CR 7034 A 20040305; CZ 20032197 A3 20031112; CZ 20032198 A3 20031217; CZ 20032199 A3 20031217; CZ 304357 B6 20140326; CZ 305120 B6 20150513; DE 60203364 D1 20050428; DE 60203364 T2 20050901; DE 60207389 D1 20051222; DE 60207389 T2 20060803; DK 1343542 T3 20050725; DK 1368419 T3 20060403; EA 005697 B1 20050428; EA 006540 B1 20060224; EA 006686 B1 20060224; EA 006700 B1 20060224; EA 200300821 A1 20040429; EA 200300822 A1 20040226; EA 200300823 A1 20040429; EA 200401463 A1 20050825; EE 05587 B1 20121015; EE 05678 B1 20131015; EE 05685 B1 20131216; EE 200300341 A 20031015; EE 200300348 A 20031015; EE 200300349 A 20031015; EG 24589 A 20091201; EG 26417 A 20131022; EP 1343542 A2 20030917; EP 1343542 B1 20050323; EP 1359947 A2 20031112; EP 1368419 A2 20031210; EP 1368419 B1 20051116; EP 1547626 A2 20050629; EP 1547626 A3 20090729; ES 2238569 T3 20050901; ES 2253523 T3 20060601; HK 1058319 A1 20040514; HK 1058371 A1 20040514; HR P20030648 A2 20050630; HR P20030648 B1 20111031; HU 227987 B1 20120730; HU 228810 B1 20130528; HU P0303893 A2 20040301; HU P0303893 A3 20120228; HU P0303896 A2 20040301; HU P0303896 A3 20051228; HU P0400768 A2 20040728; HU P0400768 A3 20060130; IL 157095 A0 20040208; IL 157095 A 20090615; IL 157096 A0 20040208; IL 157096 A 20070819; IL 157097 A0 20040208; IL 157097 A 20091224; IS 6885 A 20030724; JP 2004520124 A 20040708; JP 2004521115 A 20040715; JP 2005502733 A 20050127; JP 2007190399 A 20070802; JP 4104462 B2 20080618; JP 4535678 B2 20100901; KR 100830294 B1 20080516; KR 100847417 B1 20080718; KR 20030085522 A 20031105; KR 20030086254 A 20031107; ME 00587 A 20111220; ME 00587 B 20111220; MX PA03006687 A 20040312; MX PA03006688 A 20040312; MX PA03006689 A 20040312; NO 20033295 D0 20030722; NO 20033295 L 20030925; NO 20033296 D0 20030722; NO 20033296 L 20030925;

NO 20033297 D0 20030722; NO 20033297 L 20030925; NO 327386 B1 20090622; NO 332462 B1 20120924; NZ 527165 A 20050225; NZ 527166 A 20050324; NZ 527167 A 20050225; PL 205181 B1 20100331; PL 206194 B1 20100730; PL 206197 B1 20100730; PL 363274 A1 20041115; PL 363275 A1 20041115; PL 366932 A1 20050207; PT 1343542 E 20050831; RS 50866 B 20100831; SI 1343542 T1 20051031; SI 1368419 T1 20060630; SK 10342003 A3 20040203; SK 10352003 A3 20040203; SK 10362003 A3 20040302; SK 287874 B6 20120203; SK 288120 B6 20130903; TW I237573 B 20050811; TW I255726 B 20060601; UA 73028 C2 20050516; UY 27136 A1 20020930; WO 02058749 A2 20020801; WO 02058749 A3 20021010; WO 02058749 A8 20040311; WO 02070594 A2 20020912; WO 02070594 A3 20030103; WO 02070594 A8 20040311; YU 67003 A 20060525

DOCDB simple family (application)

IB 0201454 W 20020125; AR P020100258 A 20020125; AR P020100259 A 20020125; AR P020100260 A 20020125; AT 02718481 T 20020125; AT 02724554 T 20020125; AU 2002249528 A 20020125; AU 2002255220 A 20020125; AU 2002307809 A 20020125; BG 10812103 A 20030821; BG 10812203 A 20030821; BG 10812303 A 20030821; BR 0206705 A 20020125; BR 0206708 A 20020125; BR 0206709 A 20020125; CA 2434964 A 20020125; CA 2435159 A 20020125; CA 2435425 A 20020125; CL 2015003111 A 20151021; CN 02804095 A 20020125; CN 02804096 A 20020125; CN 02804097 A 20020125; CR 7034 A 20030723; CZ 20032197 A 20020125; CZ 20032198 A 20020125; CZ 20032199 A 20020125; DE 60203364 T 20020125; DE 60207389 T 20020125; DK 02718481 T 20020125; DK 02724554 T 20020125; EA 200300821 A 20020125; EA 200300822 A 20020125; EA 200300823 A 20020125; EA 200401463 A 20020125; EE P200300341 A 20020125; EE P200300348 A 20020125; EE P200300349 A 20020125; EG 20020095 A 20020126; EG 2002010097 A 20020126; EP 02718481 A 20020125; EP 02724554 A 20020125; EP 02734886 A 20020125; EP 05075501 A 20020125; ES 02718481 T 20020125; ES 02724554 T 20020125; HK 04101068 A 20040216; HK 04101070 A 20040216; HR P20030648 A 20030812; HU P0303893 A 20020125; HU P0303896 A 20020125; HU P0400768 A 20020125; IB 0201452 W 20020125; IB 0201453 W 20020125; IL 15709502 A 20020125; IL 15709503 A 20030724; IL 15709602 A 20020125; IL 15709603 A 20030724; IL 15709702 A 20020125; IL 15709703 A 20030724; IS 6885 A 20030724; JP 2002559083 A 20020125; JP 2002559084 A 20020125; JP 2002570628 A 20020125; JP 2007051088 A 20070301; KR 20037009893 A 20030725; KR 20037009899 A 20030725; ME P2409 A 20020125; MX PA03006687 A 20020125; MX PA03006688 A 20020125; MX PA03006689 A 20020125; NO 20033295 A 20030722; NO 20033296 A 20030722; NO 20033297 A 20030722; NZ 52716502 A 20020125; NZ 52716602 A 20020125; NZ 52716702 A 20020125; PL 36327402 A 20020125; PL 36327502 A 20020125; PL 36693202 A 20020125; PT 02724554 T 20020125; SI 200230138 T 20020125; SI 200230251 T 20020125; SK 10342003 A 20020125; SK 10352003 A 20020125; SK 10362003 A 20020125; TW 91101272 A 20020125; TW 91101277 A 20020125; UA 200387939 A 20020125; UY 27136 A 20020125; YU P67003 A 20020125