

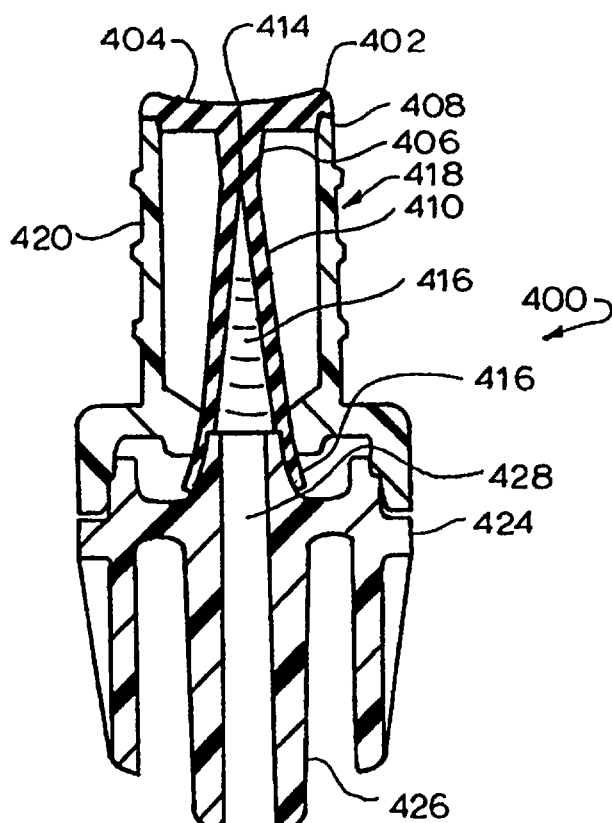
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(21) International Application Number: PCT/US99/11146 (22) International Filing Date: 20 May 1999 (20.05.99) (30) Priority Data: 09/081,728 20 May 1998 (20.05.98) US (71) Applicant: BAXTER INTERNATIONAL INC. [US/US], One Baxter Parkway, Deerfield, IL 60015 (US). (72) Inventors: JEPSON, Steven, C.; 103 S. Cedar Street, Palatine, IL 60067 (US); DUDAR, Thomas, E.; 228 North Crescent, Palatine, IL 60067 (US); MONTANEZ, Rodrigo, A.; Apartment 1514, 1390 South White Oak Drive, Waukegan, IL 60085 (US); BINDOKAS, Algirdas, J.; 67 Waverly, Clarendon Hills, IL 60514 (US); FINLEY, Michael, J.; 30617 East 113th Street, Wilmot, WI 53192-0084 (US); WHITE, Jason, J.; 7936 South Calumet, Chicago, IL 60619 (US); SUMMERS, Camille; 39963 N. Hidden Bunker Court, Antioch, IL 60002 (US); DING, Y., Samuel, 302 Richmond Lane, Vernon Hills, IL 60061 (US); DANIELS, Lewis, E.; 5018 W. Lake Shore Drive, Wonder Lake, IL 60097 (US). (74) Agents: NICHOLS, Jeffrey, C. et al.; Baxter International Inc., One Baxter Parkway, Deerfield, IL 60015 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>

(54) Title: NEEDLELESS CONNECTOR**(57) Abstract**

A needleless connector (450) is provided which utilizes a resealable preslit septum valve (402). The valve (402) is resiliently restrained relative to a housing (418) with the valve and housing configured to accept a standard male luer lock having a luer tip (18) which penetrates the valve through the opening to extend within the housing and a luer locking flange of the luer lock extending about the housing. The valve (402) includes a disk shaped upper portion (404) covering the opening, a lower portion (406) spaced from the housing (418) and extending downward from the disk shaped portion into a passageway defined by the housing (418), and an annular skirt (408) to attach the septum to the housing. The connector (450) exhibits satisfactory leak pressure after multiple connections and disconnects to the luer lock fitting and long periods of indwell of the luer tip (18).



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