

Title (en)
MANUFACTURE AND DISTRIBUTION OF INTRAVENOUS SOLUTIONS

Title (de)
HERSTELLUNG UND VERTEILUNG VON INTRAVENÖSEN LÖSUNGEN

Title (fr)
PRODUCTION ET DISTRIBUTION DE SOLUTIONS ADMINISTRABLES PAR VOIE INTRAVEINEUSE

Publication
EP 0828660 A4 19990915 (EN)

Application
EP 96916601 A 19960524

Priority
• US 9607612 W 19960524
• ZA 954291 A 19950525

Abstract (en)
[origin: WO9637409A1] Intravenous solutions are manufactured and distributed in batches by gathering raw materials and components for manufacturing containers for intravenous solutions, and active ingredient but excluding solvent. In a central manufacturing plant (12), critical steps are performed such as dispensing predetermined amounts of the active ingredient into holders. The products of the central manufacturing plant (12) are packed into shipping containers (50) which are distributed to respective decentralized manufacturing plants (14) where the contents are unpacked, manufacture of containers is completed, solvent is obtained, intravenous solution is mixed, and the containers are filled, hermetically sealed and sterilized in an autoclave.

IPC 1-7
B65B 55/02; **B65B 3/04**; **B65B 11/58**

IPC 8 full level
A61J 3/00 (2006.01); **B65B 55/02** (2006.01)

CPC (source: EP KR)
A61J 3/00 (2013.01 - EP); **B65B 55/02** (2013.01 - KR); **B65B 55/027** (2013.01 - EP)

Citation (search report)
• [XY] US 4467588 A 19840828 - CARVETH PETER [US]
• [X] US 3893280 A 19750708 - KING DALE A
• [Y] DE 4420707 A1 19941215 - STIEFENHOFER GMBH C [DE]
• [A] WO 8303585 A1 19831027 - BAXTER TRAVENOL LAB [US]
• [X] EP 0322134 A1 19890628 - ENTRAVISION INC [US]
• [X] WO 9500180 A1 19950105 - FARCO GMBH [DE], et al
• [A] GB 2117733 A 19831019 - BAXTER TRAVENOL LAB
• See references of WO 9637409A1

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

DOCDB simple family (publication)
WO 9637409 A1 19961128; AP 9701136 A0 19980131; AU 5929596 A 19961211; CA 2220730 A1 19961128; CN 1185774 A 19980624; EP 0828660 A1 19980318; EP 0828660 A4 19990915; KR 19990021913 A 19990325

DOCDB simple family (application)
US 9607612 W 19960524; AP 9701136 A 19960524; AU 5929596 A 19960524; CA 2220730 A 19960524; CN 96194178 A 19960524; EP 96916601 A 19960524; KR 19970708388 A 19971124