

Title (en)
INFUSION SOLUTION CONTAINER

Publication
EP 0330130 A3 19910605 (DE)

Application
EP 89102943 A 19890221

Priority
DE 8802443 U 19880225

Abstract (en)
[origin: JPH027966A] PURPOSE: To mix an injection solution with a component without making it so dirty and to utilize the mixture by preparing a bag, with which a mixing space is formed, from a flexible material and providing connects at tube-shaped connecting parts provided on two respective narrow faces. CONSTITUTION: A container is composed of a bag 1 and the bag 1 is composed of thermoplastic elastomer and forms the mixing space. Connecting tubes 3 and 3' are welded or adhered to two respective narrow faces 2 and 2' of the bag 1. Connectors 4 and 4' are inserted to the free ends of connecting tubes 3 and 3' respectively. The solid-state and/or liquid-state component to be mixed is passed from a stock container 13 into the bag 1 partially filled with an injection solution 14 by a hollow needle 12 through a stopper 5. The injection solution 13 and the material from the hollow needle 12 are mixed by the vibrations of the bag 1. The mixed material is prescribed from the outlet side connector 4' by opening a stop valve 7.

IPC 1-7
A61J 1/00

IPC 8 full level
A61J 1/10 (2006.01); **A61J 1/00** (2006.01); **A61J 1/20** (2006.01)

CPC (source: EP US)
A61J 1/2089 (2013.01 - EP US); **A61J 1/10** (2013.01 - EP US); **A61J 1/201** (2015.05 - EP US)

Citation (search report)

- [X] US 3788369 A 19740129 - KILLINGER F
- [A] WO 8303587 A1 19831027 - BAXTER TRAVENOL LAB [US]
- [A] DE 8021253 U1 19851024
- [A] CH 475757 A 19690731 - VIFOR SA [CH]

Cited by
US6132413A; DE4422960A1; US5330464A; DE4322165A1; US5899877A; DE4433669A1; DE4433669C2

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

DOCDB simple family (publication)
DE 8802443 U1 19880901; DK 87189 A 19890826; DK 87189 D0 19890224; EP 0330130 A2 19890830; EP 0330130 A3 19910605; FI 890822 A0 19890221; FI 890822 A 19890826; JP H027966 A 19900111; NO 890794 D0 19890224; NO 890794 L 19890828; US 5002530 A 19910326

DOCDB simple family (application)
DE 8802443 U 19880225; DK 87189 A 19890224; EP 89102943 A 19890221; FI 890822 A 19890221; JP 4042989 A 19890222; NO 890794 A 19890224; US 31413689 A 19890223