

Title (en)
Transfer and dispensing device.

Title (de)
Umfüll- und Abgabevorrichtung.

Title (fr)
Dispositif de transvasement et de distribution.

Publication
EP 0426403 A1 19910508 (EN)

Application
EP 90311814 A 19901029

Priority
US 43058089 A 19891101

Abstract (en)
A transfer and dispensing device composed of detachable parts, for gravity flow transfer of a medicament from a charging vial to a receiving vial, allowing admixture in the receiving vial without the need, for retransfer to the charging vial. Controlled flow of air facilitates the transfer while preventing leakage of liquid from the device. One of the parts, together with the filled receiving vial, can be detached from the device and connected directly to a device for dispensing the admixture. The transfer and dispensing device includes opposed separable first and second spikes (2,3), each having an outer pointed end (4,5) and an inner attachment end (6,7). A fluid bore (8,9) extends through each spike (2,3) from its inner end (6,7) to its outer end (4,5) and a separate airway (14,15) extends through each spike (2,3) from its outer end (4,5) towards its inner end (6,7). Each airway (14,15) terminates in an air port (18,19) remote from the outer end (4,5) of the spike (2,3) and spaced from the inner end (6,7) of the spike (2,3). Each airway (14,15) contains a flow restriction formation (20,21) to permit, in use, controlled flow of air through the airway (14,15) while preventing flow of liquid through the airway (14,15). The first and second spikes (2,3) have counterpart connection formations (26,27) to enable releasable interconnection of the inner ends (6,7) of the spikes (2,3) so as to flow connect their bores (8,9) in a fluid tight manner and permit a liquid to flow from the outer end (4,5) of one spike (2,3) to the outer end (4,5) of the other spike (2,3) via the flow connected bores (8,9). A limiting means (30,31) on each spike (2,3) limits, in use, the extent of penetration of their outer ends (4,5) through penetrable seals closing vials to be connected to the opposed outer ends (4,5) of the respective spikes (2,3).

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A61J 1/00 (2013.01 - KR); **A61J 1/2089** (2013.01 - EP); **A61J 1/201** (2015.05 - EP); **A61J 1/2013** (2015.05 - EP); **A61J 1/2058** (2015.05 - EP); **A61J 1/2075** (2015.05 - EP); **A61J 1/2082** (2015.05 - EP); **A61J 2200/10** (2013.01 - EP)

Citation (search report)
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