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(54) Title: TRANSFER SET CONNECTOR WITH A LOCKING LID AND A METHOD OF USING THE SAME

(57) Abstract

A tube connector assembly, preferably for medical use, is provided having a key component and a lid lock component to provide fluid communication between a fluid source and a destination such as a patient. The lid lock component includes a removably lockable lid. The lid is held closed in a locked position by stops located on at least one flexible arm integrally formed and selectively displaceable in the lid lock component. The lid is forced open by a longitudinal key within the key component. The key spreads the flexible arms so that the formerly locked lid is capable of passing through an opening created between the flexible arms to clear the stops. The lid is converted into a position parallel to the length of the lid lock component to provide fluid communication between tubing connected to the lid lock component. The connector assembly can be used for dialysis and the like.

