

CATHETER ASSEMBLY BLOOD CONTROL DEVICE AND RELATED METHODS

ABSTRACT

5 A catheter assembly includes a catheter hub and an introducer needle. The introducer
needle extends through the catheter hub and through a catheter tube so as to assist placement of
the catheter tube into a patient's blood vessel. Blood flashback into the catheter tube and/or
catheter hub can indicate when the catheter tube is properly positioned within the blood vessel.
After proper catheter tube placement is confirmed through blood flashback, the introducer needle
is withdrawn. A septum blocks flashback blood from flowing proximally out of the catheter hub.
10 One or more air vents enable air within the hub to vent when flashback blood enters the catheter
hub. A porous hydrophobic material covers the one or more air vents. The hydrophobic material
allows the air to flow therethrough and through the vents, but repels blood, blocking blood from
flowing through the air vents.

15 FIG. 1