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# United States Patent [19]

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Melker et al.

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[54] **ARTERIAL/VENOUS FLUID TRANSFER SYSTEM**

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### Related U.S. Application Data

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[51] Int. Cl.<sup>5</sup> ..... **A61M 31/00; A61B 5/00**

[52] U.S. Cl. .... **604/53; 604/86; 604/248; 604/283; 128/764**

[58] Field of Search ..... **604/51-53, 604/82-88, 244, 246, 248, 280, 283, 905; 128/763, 764**

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### [57] ABSTRACT

A fluid transfer system, including a channel member, adapted for connection between an arterial or venus catheter and an IV fluid administration system. The channel member includes a duct and an access port. An adapter including a recessed needle assembly is provided for mounting to the access port of the channel member. A syringe, IV tubing or an evacuated container may be mounted directly to the channel member via the adapter. Safety is substantially enhanced by recessing the needle assembly of the adapter.

**9 Claims, 2 Drawing Sheets**

