



US005242410A

# United States Patent [19]

Melker

[11] Patent Number: **5,242,410**

[45] Date of Patent: **Sep. 7, 1993**

[54] **WIRELESS HIGH FLOW INTRAVASCULAR SHEATH INTRODUCER AND METHOD**

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[21] Appl. No.: **873,665**

[22] Filed: **Apr. 23, 1992**

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### Related U.S. Application Data

[63] Continuation of Ser. No. 685,603, Apr. 15, 1991, abandoned.

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

[52] U.S. Cl. .... **604/164**

[58] Field of Search ..... 604/51, 52, 53, 164, 604/158, 159, 161, 165, 169, 170; 606/191

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### [57] ABSTRACT

A wireless high flow sheath introducer for intravascular access and a method for using such an introducer. The invention comprises a large bore flow sheath having a nested, coaxial, tapered dilator which dilates a vein to a size sufficient for introduction of the large bore flow sheath, and a needle nested within the tapered dilator and coaxial therewith for initially piercing the target vessel. The present invention also provides a method of using such an instrument.

**17 Claims, 1 Drawing Sheet**

