

[54] **MAMMALION CELL CULTURE PROCESS**

[75] Inventors: **Joseph Feder; Katharine Ku**, both of University City; **Mau-Jung Kuo**, Creve Coeur, all of Mo.

[73] Assignee: **Monsanto Company**, St. Louis, Mo.

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Primary Examiner—Alvin E. Tanenholtz

Assistant Examiner—Thomas G. Wiseman

Attorney, Agent, or Firm—Scott J. Meyer; John D. Upham

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[57] **ABSTRACT**

A cell culture reactor system is provided for the growth of cells in vitro which employs elongate hollow or solid fibers arranged in a shallow layer configuration as a matrix for cell attachment in which the flow path of the culture media is directed substantially uniformly through the fiber layer and substantially transverse to the plane of the elongate axes of the fibers.

6 Claims, 5 Drawing Figures

