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[Continued on next page]

(54) Title: BIOCOMPATIBLE IMPLANTS COMPRISING ENGINEERED ENDOTHELIAL CELLS

FIG. 1A

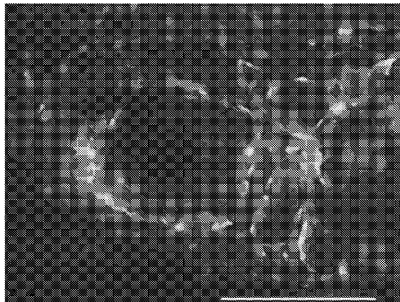


FIG. 1B



FIG. 1

(57) Abstract: The present invention involves implants suitable for surgic-
al implantation into subjects. In some embodiments the implants comprise
a biocompatible scaffold material and blood vessels containing engineered
endothelial cells - such as E4ORF1+ engineered endothelial cells or engin-
eered endothelial cells that express certain marker molecules. The present
invention provides implants, methods for preparing such implants, and
methods of treatment utilizing such implants.

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