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[54] **NEUROSPORA EXPRESSION SYSTEM**

[75] **Inventors:** **W. Dorsey Stuart, Kaneohe; John M. Ivy, Kailua, both of Hi.; Kenneth Koo, Encino, Calif.**

[73] **Assignee:** **Hawaii Biotechnology Group, Inc., Aiea, Hi.**

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[58] **Field of Search** **435/69.1, 172.3, 435/252.7, 69.4, 69.52, 69.6, 254.4, 320.1, 219; 536/24.1**

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Primary Examiner—James Ketter

Attorney, Agent, or Firm—Rae-Venter Law Group, P.C.

[57] **ABSTRACT**

Neurospora crassa transformations are employed for production of heterologous proteins, where DNA constructs are prepared using a foreign gene under transcriptional and translational regulatory regions functional in *Neurospora*. A functional signal sequence is provided for secretion of the heterologous gene product. An auxotrophic *Neurospora* host is employed and transformed by the combination of the subject construct and a complementing gene. The resulting transformants provide for efficient secretion of the heterologous product.

31 Claims, No Drawings