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**United States Patent** [19]  
**Radford et al.**

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- [54] **PRODUCTION OF HETEROLOGOUS PEPTIDES**
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- [52] **U.S. Cl.** ..... **435/6**; 435/69.1; 435/91.4; 435/205; 435/254.4; 435/320.1; 536/23.1; 536/24.33
- [58] **Field of Search** ..... 435/6, 69.1, 91.4, 435/205, 254.4, 320.1; 536/23.1, 24.1, 24.33

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- [57] **ABSTRACT**  
The invention relates to a method and recombinant means for engineering the production of heterologous peptides in filamentous fungus. The invention involves the genetic manipulation of the glucoamylase gene in order to provide a restriction site in same so that the promoter sequence of the glucoamylase gene can be coupled to a sequence encoding a heterologous peptide whereby the production of the peptide will be under the control of the promoter sequence of the glucoamylase gene.

**26 Claims, 24 Drawing Sheets**

