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**Kato et al.**

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- [54] **LIGHT-REGULATED PROMOTERS FOR PRODUCTION OF HETEROLOGOUS PROTEINS IN FILAMENTOUS FUNGI**
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- [51] **Int. Cl.**<sup>6</sup> ..... **C12N 1/15; C12N 15/09; C12N 15/11; C07H 21/04**
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- [58] **Field of Search** ..... **435/69.1, 254.4; 536/24.1**

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[57] **ABSTRACT**

The al-3 and related promoters can be used to provide light-regulated recombinant production of heterologous proteins in filamentous fungi. Expression systems utilizing these promoters can be placed in vectors which also optionally contain selectable marker means.

**9 Claims, 7 Drawing Sheets**