

Licensing Opportunity



Optimized biomass production for cellular culture

- This technology allows for serial selection of genetic variants which optimally convert substrate to output, rather than selecting for variants which simply grow and deplete substrate fastest
- This technology can be applied to any industrial process for which enhanced biomass yield is an advantage, or where substrate is a limiting constraint that affects economics of production
- This technology is validated to be robust in bacterial culture. Culture in other species where a single colony forming unit should be readily feasible

2011

Background

Standard liquid culture technique selects for genetic variants that grow most quickly, depleting constraining nutrients. For industrial processes that have substrate constraints, or where optimized biomass yields are desirable, we have developed a technology that allows for creation of stable genetic variants that make the most effective use of substrate in order to optimize biomass output.

The Technology

Due to the patent filing date, the details of this technology are still held confidential. We will share details under confidentiality agreement with potential partners who express serious interest.

Inventors

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Intellectual Property

Application EP11150258.9 was filed 5 January 2011.