ENGINEERING A CO2 FIXING PHOTORESPIRATORY BY-PASS IN CYANOBACTERIA

Tech ID: 22899 / UC Case 2013-054-0

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	10,480,003	11/19/2019	2013-054

BRIEF DESCRIPTION

Constructs and methods for producing and expressing in an organism a synthetic carbon fiixation cycle that also acts as a photorespiratory by pass based on half of the 3-hydroxpropionate bicycle characterized from Chloroflexus auantiacus.

SUGGESTED USES

Increasing photosynthetic carbon fixation in plants. particularly rice.

ADVANTAGES

Larger rice yields.

RELATED MATERIALS

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OTHER INFORMATION

KEYWORDS

Photosynthesis

CATEGORIZED AS

» **Biotechnology**

» Food

RELATED CASES

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