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(12) **United States Plant Patent**
Talmadge

(10) **Patent No.: US PP22,279 P2**
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(54) ***IPOMOEA* PLANT NAMED 'IPOSGLGRE'**

(50) Latin Name: ***Ipomoea batatas***
Varietal Denomination: **IPOSGLGRE**

(75) Inventor: **Paul Talmadge**, Orcutt, CA (US)

(73) Assignee: **Floranova Service Corp**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **12/807,424**

(22) Filed: **Sep. 2, 2010**

(51) **Int. Cl.**
A01H 5/00 (2006.01)
(52) **U.S. Cl.** **Plt./226**
(58) **Field of Classification Search** Plt./226
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,004,614	A	4/1991	Staniforth	424/466
5,041,390	A	8/1991	Skov et al.	436/527
2005/0112198	A1	5/2005	ChallaOpalli et al.	424/464
2008/0311201	A1	12/2008	Der-Yang et al.	424/472

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(57) **ABSTRACT**

A new and distinct *Ipomoea* cultivar named 'IPOSGLGRE' is disclosed, characterized light green, cordate shaped foliage, and a bush forming habit. Additionally the new cultivar flowers under short day conditions and produces many lateral branches, without pinching or chemical growth regulators. The new cultivar is an *Ipomoea*, typically suited for ornamental container and garden use.

1 Drawing Sheet

Latin name of the genus and species: *Ipomoea batatas.*
Variety denomination: 'IPOSGLGRE'.

BACKGROUND OF THE INVENTION

The new variety originated from a commercial breeding program under the direction of the inventor, Paul A. Talmadge. The crossing resulting in the new cultivar was made in Fall of 2007, with the seed parent, an unpatented, unnamed proprietary seedling and the pollen parent, also an unpatented, unnamed proprietary seedling. The new variety was discovered by the inventor in April of 2008 at a commercial greenhouse in Lompoc, Calif.

After selecting and isolating the new cultivar, asexual reproduction of the new cultivar 'IPOSGLGRE' was first performed in a commercial research greenhouse in Lompoc, Calif. during June of 2008. 'IPOSGLGRE' has since produced several generations and has shown that the unique features of this cultivar are stable and reproduced true to type. Asexual reproduction of the new variety is by vegetative cuttings.

SUMMARY OF THE INVENTION

The cultivar 'IPOSGLGRE' has not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature, day length, and light intensity, without, however, any variance in genotype.

The following traits have been repeatedly observed and are determined to be the unique characteristics of 'IPOSGLGRE.' These characteristics in combination distinguish 'IPOSGLGRE' as a new and distinct *Ipomoea* cultivar:

1. Light green foliage
2. Cordate foliage shape.
3. Bush forming habit, short vines formed in mature plants or in high temperatures.

4. Very well branched, without pinching or chemical growth regulator use
5. Short day flowering.

PARENTAL COMPARISON

Plants of the new cultivar 'IPOSGLGRE' are similar to the seed parent in most horticultural characteristics. However, 'IPOSGLGRE' differs in producing cordate shaped foliage that is characteristically light green in color, whereas the seed parent has palmately shaped, deep purple foliage.

Plants of the new cultivar 'IPOSGLGRE' are similar to the pollen parent in most horticultural characteristics. However, 'IPOSGLGRE' produces a well-branched, plant with a bush shaped habit whereas the pollen parent has a vining plant habit, with less branching.

COMMERCIAL COMPARISON

Plants of the new cultivar 'IPOSGLGRE' are best compared to the commercial variety *Ipomoea batatas* 'Sweet Caroline Light Green' U.S. Plant Pat. No. 15,028. Plants of 'IPOSGLGRE' are similar to plants of 'Sweet Caroline Light Green' in most horticultural characteristics, however, plants of 'IPOSGLGRE' have a different shaped foliage, smaller foliage and better branching characteristics.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying photograph in FIG. **1** illustrates in full color a typical plant of 'IPOSGLGRE' grown in a greenhouse in Lompoc, Calif. This plant is approximately 8 weeks old, from an unrooted cutting, shown in a 6 inch pot pot. The photograph was taken using conventional techniques and although colors may appear different from actual colors due to light reflectance it is as accurate as possible by conventional photographic techniques.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to Pantone Formula Guide Solid Matte, First Edition 2000-

2001, except where general terms of ordinary dictionary significance are used. The following observations and measurements describe 'IPOSGLGRE' plants grown during the Summer months in a greenhouse in Lompoc, Calif., under bright, unshaded conditions. Average day temperatures were approximately 26° C. and the average night temperature was approximately 18° C. No artificial light, photoperiodic treatments or chemical treatments were given to the plants. Measurements and numerical values represent averages of typical plant types.

Botanical classification: *Ipomoea batatas* 'IPOSGLGRE'

Age of the plant described: Approximately 8 weeks from an unrooted cutting.

Container size of the plant described: 6 inch commercial container.

PROPAGATION

Propagation method: Terminal cuttings

Time to develop roots suitable for transplanting: Summer-about six days at an average temperature of 24° C.; Winter-about ten days at an average temperature of 24° C.

Root description: Thick, fleshy.

Tuber description: None observed

PLANT

Growth habit: Compact, upright and mounding

Height: Measured from top of soil line of pot, approximately 22 cm

Plant spread: Approximately 45 cm

Growth rate: Rapid

Branching characteristics: Very free branching, alternate occurring.

Primary lateral branches:

Length.—A Approximately 18 cm.
Diameter.—Approximately 0.5 cm.
Texture.—Slightly pubescent.
Color.—Pantone 7495C.
Strength.—Strong.
Internode length.—A range between 0.5-1.5 cm.
Adventitious roots at nodes.—Occasional raised bump at node at base of branch.

Secondary lateral branches:

Length.—Ranging from 1-4 cm.
Diameter.—Approximately 0.3 to 0.4 cm.
Texture.—Slightly pubescent.
Color.—Near Pantone 7495C.
Strength.—Strong.
Internode length.—Range between 0.3 to 0.7 cm.
Quantity per 8 week old plant.—Approximately 19.
Adventitious roots at nodes.—None observed.

New shoot growth characteristics:

Color.—Pantone 7495C.
Aspect.—Upright.
Texture.—Slightly pubescent.

FOLIAGE

Leaf:

Arrangement.—Alternate, simple.
Average length.—Approximately 11-12 cm.
Average width.—Approximately 9 cm.
Shape of blade.—Cordate.
Apex.—Acuminate.
Base.—Cordate.
Margin.—Entire, with tiny hairs visible with a hand lens.
Aspect.—Folded upwards slightly along midrib at base, flattening to curving downward toward apex.
Texture of top surface.—Glabrous.
Texture of bottom surface.—Glabrous.
Quantity of leaves per lateral branch.—Approximately 12.

Color:

Young foliage upper side.—Pantone 383C.
Young foliage under side.—Pantone 7493C.
Mature foliage upper side.—Pantone 7495C.
Mature foliage under side.—Pantone 7493C.

Venation:

Type.—Pinnate: arcuate to reticulate at base.
Venation color upper side.—Pantone 7495C.
Venation color under side.—Pantone 7495C.

Petiole:

Length.—Longest petioles approximately 13 cm.
Diameter.—Approximately 0.4 cm at base, 0.3 cm at top.
Texture.—Slightly pubescent.
Color.—Pantone 7495C.
Strength.—Strong.
Aspect.—Upright to slightly curved.

FLOWER

None observed, as measurements were taken from plants produced during the long days of summer.

OTHER CHARACTERISTICS

Seeds and fruits: No seeds/fruits observed.

Disease/pest resistance: Neither resistance nor susceptibility to the normal pests and diseases of *Ipomoea* has been observed.

Temperature tolerance: Tolerates low temperatures to approximately 2° C. Good high temperature tolerance, observed to at least 40° C.

What is claimed is:

1. A new and distinct cultivar of *Ipomoea batatas* plant named 'IPOSGLGRE' as herein illustrated and described.

* * * * *

Fig. 1

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : PP22,279 P2
APPLICATION NO. : 12/807424
DATED : November 29, 2011
INVENTOR(S) : Paul Talmadge

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page, item (54) Title of the Invention and including Claim, Abstract and Specification
Plant Name is incorrect. The Plant Name in the patent is 'IPOSGLGRE.'.

The correct Plant Name is: 'IPOSGHLGRE'.

Please correct for all sections of the patent which the plant name 'IPOSGLGRE' is used.

Signed and Sealed this
Twenty-ninth Day of January, 2013

David J. Kappos

David J. Kappos
Director of the United States Patent and Trademark Office