



(12) **United States Plant Patent**
Malinowski et al.

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(54) **HIBISCUS PLANT NAMED ‘15516 GR’**

CPC A01H 5/02; A01H 6/60
See application file for complete search history.

(50) Latin Name: ***Hibiscus* hybrid (L.)**
Varietal Denomination: **15516 GR**

(56) **References Cited**

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U.S. PATENT DOCUMENTS

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OTHER PUBLICATIONS

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

U.S. Appl. No. 16/501,691, filed May 22, 2019, Malinowski et al.
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U.S. Appl. No. 16/501,696, filed May 22, 2019, Malinowski et al.
U.S. Appl. No. 16/501,693, filed May 22, 2019, Malinowski et al.
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U.S. Appl. No. 16/501,692, filed May 22, 2019, Malinowski et al.
U.S. Appl. No. 16/501,697, filed May 22, 2019, Malinowski et al.

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(57) **ABSTRACT**

(51) **Int. Cl.**
A01H 5/02 (2018.01)
A01H 6/60 (2018.01)

‘15516 GR’ is a new and distinct hardy herbaceous *Hibiscus*
hybrid with novel characteristics that include upright
branched stems, numerous, outward-facing, flowers that are
between dark red and dark purplish red with a dark red
center eye, a prolonged blooming season, and cordate
leaves.

(52) **U.S. Cl.**
USPC **Plt./257**

3 Drawing Sheets

(58) **Field of Classification Search**
USPC **Plt./257**

1

2

Latin name of the genus and species of the plant claimed:
Hibiscus hybrid (L.).
Cultivar denomination: ‘15516 GR’.

longed season; and (3) its flowers exhibit a background that
is between dark red (RHS 59A) and dark purplish red (RHS
59B) and a center eye that is between dark red (RHS 187A)
and dark red (RHS 187B).

BACKGROUND OF THE INVENTION

The invention relates to the new and distinct *Hibiscus*
plant ‘15516 GR’. ‘15516 GR’ was generated from a cross
performed on Jun. 22, 2014 near Vernon, Tex. between
‘11490-5’ (pod parent, unpatented) and ‘13028-2’ (pollen
parent, unpatented). The pedigrees of each parent reflect a
complex mixture of *Hibiscus* species. The pedigree of the
pod parent includes *H. mocheutos* and *H. coccineus*. The
pedigree of the pollen parent includes *H. mocheutos*, *H.*
coccineus, *H. militaris*, and *H. dasycalyx*. The seed from this
cross was harvested on Jul. 30, 2014 and the ‘15516 GR’
seedling was selected in the summer of 2015. ‘15516 GR’
was first asexually propagated near Vernon, Tex. in 2016 by
stem tip cuttings. The resulting as well as subsequent
asexually propagated plants have been stable and true to
type throughout successive generations.

5 ‘15516 GR’ plants can be readily and unambiguously
distinguished from those of its parents. ‘15516 GR’ plants
exhibit flowers that are between dark red (RHS 59A) and
dark purplish red (RHS 59B) that have an average diameter
of 22 cm and cordate leaves. Whereas, ‘11490-5’ plants (pod
10 parent) exhibit vivid red (RHS 45A) flowers that have an
average diameter of 18 cm and lobed leaves; and ‘13028-2’
plants (pollen parent) exhibit deep purplish red (RHS 187D)
flowers that have an average diameter of 12.5 cm and hastate
15 leaves.

SUMMARY OF THE INVENTION

‘15516 GR’ differs from its parents and all other known
hardy herbaceous *Hibiscus* plants. The following are the
most outstanding and distinguishing characteristics of
‘15516 GR’: (1) it is a hardy perennial with a relatively
compact growth habit; (2) it blooms profusely over a pro-

20 ‘Heartthrob’ (U.S. Plant Pat. No. 24,760) is the *Hibiscus*
plant that exhibits flowers that are colored most similarly to
those of ‘15516 GR’. Nonetheless, plants of ‘15516 GR’ and
‘Heartthrob’ can also be readily and unambiguously distin-
guished from one another at least based upon flower shape,
petal shape, plant height, flowering time, and flowering
amount. Plants of ‘15516 GR’ are taller and exhibit earlier
and more profuse flowering and petals that are less over-
lapping and more elongated than plants of ‘Heartthrob’.

BRIEF DESCRIPTION OF THE DRAWINGS

‘15516 GR’ is illustrated by the accompanying photo-
graphs, which show the plant’s form, foliage, flowers, and

leaves. The colors shown are as true as can be reasonably obtained by conventional photographic procedures.

FIG. 1—Shows a '15516 GR' flower as seen looking slightly askew from the adaxial surface of the petals on a 2-year-old plant.

FIG. 2—Shows a '15516 GR' flower as seen looking slightly askew from the adaxial surface of the petals on a 2-year-old plant.

FIG. 3—Shows a '15516 GR' leaf.

DETAILED BOTANICAL DESCRIPTION

The following detailed description sets forth the distinctive characteristics of '15516 GR'. The detailed description was obtained using two-year-old plants grown in loamy sand, open-field, full sun trials at a nursery near Vernon, Tex., during which the plants were supplemented with fertilizer and water as needed. These plants are natural habit and were not treated with plant growth regulators and they were not pinched at any time in the growth year. '15516 GR' has not been observed under all possible environments, and certain characteristics may vary slightly under different environmental conditions. Color references are to The Royal Horticultural Society Colour Chart of The Royal Horticultural Society of London (R.H.S.), 2001 (4th edition).

Propagation:

Method.—Stem cuttings.

Time to initiate roots from stem cuttings after treating cuttings with a commercial rooting hormone.—About 2 weeks under misting and at an air temperature of 85° C.

Rooting habit.—Normal, branching, fleshy, and developing a thick diameter (to about 2.5 cm).

Root color.—Pale yellow (between RHS 161D and RHS 162D), depending on soil type.

Crop time (under normal summer growing conditions and when grown in a 4 L container from a rooted cutting).—8 to 10 weeks to flower with very good plant vigor.

Plant:

Plant shape and habit.—Hardy herbaceous perennial with 8 to 10 thick upright and branched main stems producing an upright spreading mound about 100.0 cm tall and 95.0 cm wide, which is widest about 50 cm above the soil line.

Primary branches.—8 to 16 per main stem that protrude at about a 45° angle from horizontal.

Lateral branches.—On the middle half of the primary stems.

Lateral branch size.—Between 15 cm and 30 cm long (shorter at the upper nodes) and with an average diameter of 8.0 mm at their base.

Flower location.—Upper 1/3 of the plant beginning at axillary nodes while still developing at the apex.

Stem.—Rounded, glabrous, glaucous; averages about 100 cm tall and 3.5 cm diameter at their base.

Stem color.—Between brilliant yellowish green (RHS 134C) and strong yellowish green (RHS 135C).

Internode.—About 18 nodes per stem below flower and about 32 total, average internode length is about 4.5 cm of unpinched plant, but varies between 2.0 to 6.0 cm and are widest in middle portion of stem.

Foliage:

Shape.—Cordate with slightly indented margins.

Texture.—Adaxial and abaxial matte.

Leaf blade size.—To about 20.0 cm long and 10.0 cm wide, larger proximally and becoming smaller in distal portion of stem.

Foliage color.—Adaxial and abaxial strong yellowish green (RHS 135C).

Veins.—Palmate; adaxial and abaxial veins moderate yellowish green (RHS 139D).

Petiole size (average).—9.0 cm long and 5.0 mm wide.

Petiole color.—Between moderate yellow (RHS 163C) and light yellow (RHS 163D).

Flowers:

Buds.—One day prior to opening about 3.5 cm long and 2.5 cm in diameter, pointed apex and bluntly rounded base, unopened petals wrinkled at veins; and, prior to showing petals, about 3.5 cm long and 2.5 cm in diameter, ovoid with acute apex.

Bud color.—Exposed petal dark red (RHS 59A) toward apex with veins of the same coloration.

Epicalyx.—Entire, smooth, puberulent both surfaces, linear with sharply acute apex and attenuate base, curved around sepals; typically 8 to 12 per flower; about 2.5 cm long tapering to base of about 3.0 mm wide.

Epicalyx color.—Adaxial and abaxial strong yellowish green (RHS 135C).

Sepals.—5, proximal half connate forming campanulate star-shaped calyx; acute apex; margin entire, edentate; puberulent abaxial glabrous adaxial; individually about 3.5 cm long and about 2.5 cm wide at fusion point. From the upper side of the flower, sepals slightly visible as a star shape in the center of the flower.

Sepal color.—Abaxial and adaxial color strong yellowish green (RHS 135C).

Flowers.—Solitary, about 20 to 30 per main stem without pinching; primarily outwardly facing; average 22 cm across, larger in early part of flowering season; persist for one to two days, depending on temperature; effective for at least 14 weeks beginning early July and lasting into October (north Texas), no detectable fragrance.

Petals.—5; glabrous, slightly lustrous in the center and dull both front and back toward middle and perimeter, adnate to the androecium to form a column, slightly imbricate to about 10% overlapping at widest part (petals about 20% overlapping the next petal to either side). Veins: Palmately veined, primary and secondary veins impressed on front and ribbed on back; veins extend from the eye zone. Shape: Rounded. Margins: Entire, edentate. Apex: Rounded. Base: Short claw-like. Surface: Adaxial and abaxial glabrous, ribbed. Size (average): About 11.0 cm long and about 10.0 cm wide at widest portion (largest in earlier part of flowering season); center dark eye about 4.0 cm diameter. Color: Adaxial and abaxial nearest between dark red (RHS 59A) and dark purplish red (RHS 59B), center eye between dark red (RHS 187A) and dark red (RHS 187B).

Gynoecium.—Style: Enclosed in column about 7.5 cm long and 0.5 cm wide at base; column color dark red (RHS 59A); style protruding from column and split in distal 10.0 mm portion into typically 5 branches, branch diameter 2.0 mm; branch color nearest dark red (RHS 59A). Stigma: Typically 5; globose, puberulose, about 3.0 mm in diameter; color nearest

dark red (RHS 59A). Ovary: Superior, about 6.5 mm across at base and 6.0 mm tall; acute apex.

Androecium.—Filaments: Numerous, about 140; less than 1.0 mm in diameter and about 5.0 mm long; attached along nearly the entire length of column; color nearest pale purplish pink (RHS 62D). Anthers: Reniform; about 2 mm long and 1 mm wide; nearest light yellow (RHS 163D). Pollen: Numerous, globose, less than 0.1 mm long; color light yellow (RHS 163D).

*Pedice*l.—Rounded in cross section, finely puberulent; length from base of sepal to abscission point average 1.5 cm long and 4.0 mm wide, longer on early flowers decreasing in later flowers; color brilliant yellowish green (RHS 135C).

Peduncle.—Rounded, puberulent, average about 6.0 cm long from abscission point to stem and 4.0 mm wide, slightly longer on earlier flowers.

Peduncle color.—Brilliant yellowish green (RHS 135C).

Fruit.—Few, loculicidal capsule; glabrous; globose, occasionally with abruptly acute apex; color between light yellowish brown (RHS 199C) and dark grayish yellow (RHS 199D) when mature.

Seed.—Minutely floccose, typically globose; about 3.0 mm in diameter; color between dark grayish reddish brown (RHS 200A) and moderate brown (RHS 200C).

Resistance: The plant grows best with plenty of moisture, but is able to tolerate some drought once established. Other pest and disease resistance beyond that of other hardy perennial *Hibiscus* cultivars has not been observed. Hardiness at least from USDA Zone 4 through 9.

Commercial use: Suitable for potted plant culture, landscaping as a specimen or en masse, and especially suited for patios and confined spaces because of the compact habit. What is claimed is:

1. A new and distinct *Hibiscus* hybrid (L.) plant named '15516 GR' as shown and described herein.

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FIG. 1



FIG. 2

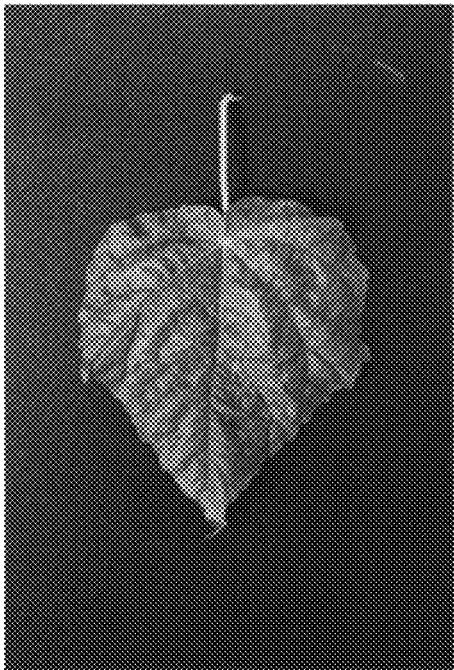


FIG. 3