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**Blaker et al.**

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(54) **STRAWBERRY PLANT NAMED ‘BOUNTY’**

(50) Latin Name: *Fragaria ananassa*  
Varietal Denomination: **SB\_13\_164-030**

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(58) **Field of Classification Search**  
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CPC ..... **A01H 6/7409; A01H 5/08**  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

PP20,394 P3 10/2009 Ackerman et al.  
PP23,042 P3 9/2012 Chandler  
PP30,564 P3 6/2019 Whitaker

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(57) **ABSTRACT**

This invention relates to a new and distinct variety of  
strawberry plant named ‘Bounty’. This new strawberry plant  
named ‘Bounty’ is primarily adapted to the growing condi-  
tions of West Central Florida, and is primarily characterized  
by its achenes typically set even with or just below the  
surface of the fruit, good fruit flavor with firm flesh, very  
high marketable yield, early time of first flower and fruit,  
and large berry size.

**4 Drawing Sheets**

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Latin name of the genus and species of the plant claimed:  
*Fragaria ananassa*.

Variety denomination: ‘BOUNTY’.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct straw-  
berry variety named ‘BOUNTY’. This new variety is a result  
of a controlled cross made in 2013 in an ongoing breeding  
program between strawberry variety designated ‘FL 05-107’  
(U.S. Plant Pat. No. 23,042) as the seed (female) parent, and  
strawberry variety designated ‘Valor’ (U.S. Plant Pat. No.  
20,394) as the pollen (male) parent. The variety is botani-  
cally known as *Fragaria ananassa*.

The seedling resulting from the aforementioned cross was  
selected from a controlled breeding plot in Hillsborough  
County, Fla. in the fall/winter of 2014-2015. After its  
selection, the new variety was asexually propagated by  
stolons in both Siskiyou County, Calif. and San Joaquin  
County, Calif. The new variety was extensively tested over  
the next several years in fruiting fields in Hillsborough  
County, Fla. This propagation has demonstrated that the  
combination of traits disclosed herein as characterizing the  
new variety are fixed and remain true-to-type through suc-  
cessive generations of asexual reproduction.

**BRIEF SUMMARY OF THE INVENTION**

‘BOUNTY’ is primarily adapted to the climate and grow-  
ing conditions of West Central Florida. The subtropical  
climate of West Central Florida provides the day length and

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moderate temperatures needed to produce an early yielding,  
vigorous plant and maintain fruit quality during the fall and  
winter production months.

5 The following traits have been repeatedly observed and  
are determined to be unique characteristics of ‘BOUNTY’,  
which in combination distinguish this strawberry plant as a  
new and distinct variety:

- 10 1. Achenes typically set even with or just below the  
surface of the fruit;
2. Good fruit flavor with firm flesh;
3. Very high marketable yield;
- 15 4. Early time of first flower and fruit; and
5. Large berry size.

‘Florida Brilliance’ (U.S. Plant Pat. No. 30,564) is cur-  
rently the dominant strawberry variety in Hillsborough  
County, Fla. The fruits of ‘BOUNTY’ are similar in color,  
flavor and firmness to ‘Florida Brilliance’, but the plant of  
‘BOUNTY’ is smaller and more compact. The achenes of  
‘Florida Brilliance’ are more sunken than those of  
25 ‘BOUNTY’. In side-by-side comparisons from the 2019-  
2020 season (Nov. 23, 2019 to Mar. 5, 2020) and the  
2020-2021 season (Nov. 19, 2020 to Feb. 19, 2021),  
‘BOUNTY’ compares with ‘Florida Brilliance’ (U.S. Plant  
30 Pat. No. 30,564) in the following combination of character-  
istics as described in Table 1.

TABLE 1

| Characteristic                     | 'SB_13_164-030' | 'Florida Brilliance'<br>(U.S. Plant Pat.<br>No. 30,564) |
|------------------------------------|-----------------|---|
| 2019-2020                          |                 |   |
| November marketable yield (gm/plt) | 36              | 36  |
| Season marketable yield (gm/plt)   | 885             | 926   |
| Season average berry size (gm)     | 25.5            | 26.3  |
| 2020-2021                          |                 |   |
| November marketable yield (gm/plt) | 50              | 18  |
| Season marketable yield (gm/plt)   | 699             | 306   |
| Season average berry size (gm)     | 31              | 27  |

For identification, a series of molecular markers have been determined for this new variety.

'BOUNTY' differs from its parents, 'FL 05-107' and 'Valor' by the following combination of characteristics as described in Tables 2 and 3.

TABLE 2

| Characteristic          | 'SB_13_164-030'                     | 'FL 05-107'<br>(U.S. Plant Pat.<br>No. 23,042) |
|-------------------------|-------------------------------------|--|
| Fruit: size             | Large                               | Medium   |
| Fruit: marketable yield | Very high                           | High   |
| Fruit: flavor           | Good                                | Good   |
| Fruit: seed position    | Slightly below to even with surface | Slightly below to even with surface            |

TABLE 3

| Characteristic          | 'SB_13_164-030'                     | 'Valor'<br>(U.S. Plant Pat.<br>No. 20,394) |
|-------------------------|-------------------------------------|--|
| Fruit: size             | Large                               | Medium to small                            |
| Fruit: marketable yield | Very high                           | Medium                                     |
| Fruit: seed position    | Slightly below to even with surface | Even with surface                          |

BRIEF DESCRIPTIONS OF THE PHOTOGRAPHS

The accompanying color photographs illustrate the overall appearance of typical specimens of the new strawberry variety 'BOUNTY' at various stages of development, as true as it is reasonably possible with color reproductions of this type. Color in the photographs may differ slightly from the color value cited in the botanical descriptions which accurately describe the color of 'BOUNTY'. The depicted plant and plant parts of the new strawberry variety 'BOUNTY' are approximately four months old. The photographs were taken in Hillsborough County, Fla.

FIG. 1 shows typical fruiting field characteristics of 'BOUNTY', taken in the month of February 2021;

FIG. 2 shows a close-up view of a typical plant of 'BOUNTY', taken in the month of February 2021;

FIG. 3 shows typical mature and immature field fruit of 'BOUNTY', taken in the month of February 2021; and

FIG. 4 shows typical internal and external mature fruit characteristics of 'BOUNTY', taken in the month of February 2021.

DETAILED BOTANICAL DESCRIPTION

The new variety 'BOUNTY' has not been observed under all possible environmental conditions. The characteristics of the new variety 'BOUNTY' may vary in detail, depending upon variations in environmental factors, including weather (temperature, humidity and light intensity), day length, soil type and location. In addition, the characteristics of any parental variety or comparison variety included in Table 1 of the present invention may vary in detail, depending upon variations in environmental factors, including weather (temperature, humidity and light intensity), day length, soil type and location.

The aforementioned photographs, together with the following description of the new variety 'BOUNTY', unless otherwise noted, are based on observations taken during the 2020-2021 growing season in Hillsborough County, Fla. These measurements and ratings were taken from plants of 'BOUNTY' dug from a high-elevation nursery located in Siskiyou County, Calif. during mid-September 2020 and planted approximately four to five days later in Hillsborough County, Fla. The approximate age of the observed plants is four months. Yield observations including average weight and marketable yield, along with fruit quality characteristics including soluble solids, are averaged from four years of data collected from the 2017 through 2021 growing seasons. Flower measurements and characteristics are from secondary flowers unless otherwise noted. Fruit characteristics and measurements are from secondary fruit, unless otherwise noted.

Where noted, color terminology follows The Royal Horticultural Society Colour Chart, London (2015).

The following characteristics describe fruit, plant, stolon, foliage, fruiting truss, flower, reproductive organs and pest and disease characteristics of the new strawberry 'BOUNTY'.

Fruit characteristics:

*Color of mature fruit.*—RHS N34 (orange-red group).  
*Color of internal flesh (excluding core).*—RHS 45B (red group).

*Color of core.*—RHS 36D (red group).

*Average length (cm).*—4.3.

*Average width (cm).*—3.9.

*Size.*—Large.

*Average length/width ratio.*—1.1 (ranges from as long as broad to slightly longer than broad).

*Average calyx diameter (cm).*—5.2.

*Season average weight (gm).*—29.4.

*Achene color, shaded side.*—RHS 153C (yellow-green group).

*Achene color, sun-exposed side.*—RHS 183B (greyed-purple group).

*Average achene weight (mg).*—0.6.

*Average achenes per berry.*—432.

*Average achene length (mm).*—2.0.

*Average achene width (mm).*—0.9.

*Season marketable yield (gm/plant).*—578.

*Predominant shape.*—Conical.

*Difference in shape between primary and secondary fruit.*—Minimal.

*Band without achenes.*—Very narrow.

*Evenness of surface.*—Even.

*Evenness of color.*—Even.

*Glossiness.*—Medium.

*Insertion of achenes.*—Slightly below surface.

*Position of calyx attachment.*—Inserted.  
*Attitude of sepals.*—Outward to slightly upward.  
*Size of calyx in relation to fruit diameter.*—Larger.  
*Adherence of calyx (when fully ripe).*—Strong.  
*Firmness of flesh.*—Firm.  
*Distribution of red color of the flesh.*—Marginal and moderately central.  
*Hollow center expression.*—Minimal.  
*Average cavity length (mm).*—13.5.  
*Average cavity width (mm).*—1.3.  
*Flavor.*—Sweet.  
*Soluble solids (% brix).*—6.4.  
*Time of first flowering.*—Early (early to mid-October in Hillsborough County, Fla.).  
*Flowering season.*—October-February.  
*Time of first fruit.*—Early (mid-November in Hillsborough County, Fla.).  
*Fruiting season.*—November-March.  
*Post-harvest fruit longevity.*—9-11 days if stored according to industry standards.  
*Type of bearing.*—Not remontant.

Plant characteristics:  
*Average height (cm).*—18.  
*Average spread (cm).*—32.  
*Size.*—Medium.  
*Habit.*—Upright.  
*Density.*—Medium to High.  
*Vigor.*—High.

Stolon characteristics:  
*Color.*—RHS N144A (yellow green group).  
*Anthocyanin coloration.*—RHS 174A (greyed orange group).  
*Anthocyanin intensity.*—Moderately intense.  
*Pubescence.*—Moderately dense.  
*Attitude of hairs.*—Slightly outward.  
*Average quantity in nursery (per square foot).*—7.5.  
*Average diameter at the bract (mm).*—2.3.

Terminal leaflet characteristics:  
*Color of upper surface.*—RHS 147A (yellow green group).  
*Color of underside.*—RHS 148C (yellow green group).  
*Average length (cm).*—7.0.  
*Average width (cm).*—6.1.  
*Average area terminal (cm<sup>2</sup>).*—42.7.  
*Average length/width ratio.*—1.14 (longer than broad).  
*Shape of base.*—Obtuse.  
*Margins (shape of teeth).*—Serrate to crenate.  
*Average serrations per leaf.*—22.5.

Foliage characteristics:  
*Color of upper surface.*—RHS 147A (yellow green group).  
*Color of underside.*—RHS 148C (yellow green group).  
*Number of leaflets.*—3.  
*Leaf size.*—Small to medium.  
*Average length (cm).*—9.15.  
*Average width (cm).*—10.95.  
*Average area foliage (cm<sup>2</sup>).*—100.2.  
*Shape in cross section.*—Concave.  
*Texture/interveinal blistering.*—Light.  
*Leaf glossiness.*—Light to medium.  
*Leaf variegation.*—Absent.  
*Venation pattern.*—Pinnate/cross venulate.  
*Apex descriptor.*—Obtuse.

Petiole characteristics:  
*Petiole color.*—RHS 144C (yellow green group).  
*Average length (cm).*—12.0.  
*Average diameter (mm).*—3.36.  
5 *Petiolule color.*—RHS 144C (yellow green group).  
*Petiolule average length (mm).*—7.23.  
*Average petiolule diameter (mm).*—1.89.  
*Attitude of hairs.*—Slightly outward.  
10 *Texture.*—Moderate to smooth.  
*Frequency of bract leaflets.*—Ranges from 1 to 3 (99% occurrence).  
*Bract leaflets (mm<sup>2</sup>).*—2.7.  
*Pubescence.*—Moderate.

Stipule characteristics:  
15 *Color.*—RHS 145D (yellow green group).  
*Anthocyanin coloration.*—RHS 182D (greyed red group).  
*Anthocyanin intensity.*—Mild.  
*Average length (mm).*—40.08.  
*Average width (mm).*—15.19.  
*Base descriptor.*—Truncate.  
*Apex descriptor.*—Obtuse.  
20 *Shape.*—Triangular.  
*Margin.*—Smooth.  
*Texture.*—Moderate smooth.

Fruiting truss characteristics:  
30 *Anthocyanin coloration.*—None.  
*Anthocyanin intensity.*—None.  
*Pubescence.*—Medium.  
*Attitude at first pick.*—Prostrate.  
*Position relative to foliage.*—Ranges from level with to below.  
35 *Flower quantity (average per plant season long).*—32 (medium to high).  
*Average fruits per truss.*—7.4.  
*Pedicle attitude of hairs.*—Parallel to truss.  
*Average pedicle length (cm).*—12.75.  
*Average pedicle diameter (mm).*—2.72.  
40 *Pedicle texture.*—Moderate to smooth.  
*Pedicle color.*—RHS N144C (yellow green group).  
*Average peduncle length (cm).*—N/A.  
*Average peduncle diameter (mm).*—N/A.  
45 *Peduncle texture.*—N/A.  
*Peduncle color.*—N/A.

Flower characteristics:  
50 *Flower bud shape.*—Pyriform.  
*Average flower bud length (mm).*—15.1.  
*Average flower bud diameter (mm).*—8.7.  
*Flower bud color.*—RHS 137D (green group).  
*Flower depth (mm).*—17.4.  
*Corolla (flower) average diameter (mm).*—26.9.  
*Upper petal color.*—RHS NN155D (white group).  
*Lower petal color.*—RHS NN155D (white group).  
*Petal shape.*—Orbicular.  
*Petal apex descriptor.*—Rounded.  
*Petal margin.*—Smooth.  
*Petal base.*—Decurrent.  
*Petal texture.*—Smooth.  
60 *Petal average length (mm).*—10.3.  
*Petal average width (mm).*—10.9.  
*Petal average length/width ratio.*—0.94 (wider than long).  
*Average petals per flower.*—5.5.  
65 *Relative position of petals (flowers with 5 or 6 petals).*—Overlapping.

*Upper sepal color.*—RHS 137A (green group).  
*Lower sepal color.*—RHS N138B (yellow green group).  
*Sepal shape.*—Lanceolate.  
*Sepal apex descriptor.*—Acute. 5  
*Sepal margin.*—Smooth to serrate.  
*Sepal texture.*—Moderately smooth.  
*Sepal average length (mm).*—12.19.  
*Sepal average width (mm).*—4.61.  
*Sepal average length/width ratio.*—2.6 (much longer 10  
 than wide).  
*Average sepals per flower.*—10.8.  
*Calyx average diameter (mm).*—29.96.  
*Size of calyx relative to corolla.*—Larger.  
*Size of inner calyx relative to outer calyx.*—Same. 15  
 Reproductive organs:  
*Receptacle color.*—RHS 147D (yellow green group).  
*Pollen color.*—RHS 16A (yellow orange group).  
*Stamen.*—Present.

*Average filament length (mm).*—2.6.  
*Filament color.*—RHS 150C (yellow green group).  
*Average anther length (mm).*—1.43.  
*Anther shape.*—Ovoid.  
*Anther color.*—RHS 16A (yellow orange color).  
*Average pistils per flower.*—432.  
*Pistil length (mm).*—0.5-1.5.  
*Style length (mm).*—0-1.  
*Style color.*—RHS 3B (yellow group).  
*Stigma diameter (mm).*—<0.1.  
*Stigma shape.*—Simple.  
*Ovary color.*—RHS 147C (yellow green group).  
*Pollen amount.*—Abundant.

We claim:

1. A new and distinct strawberry plant named 'BOUNTY', as herein described and illustrated by the characteristics set forth above.

\* \* \* \* \*

FIG. 1

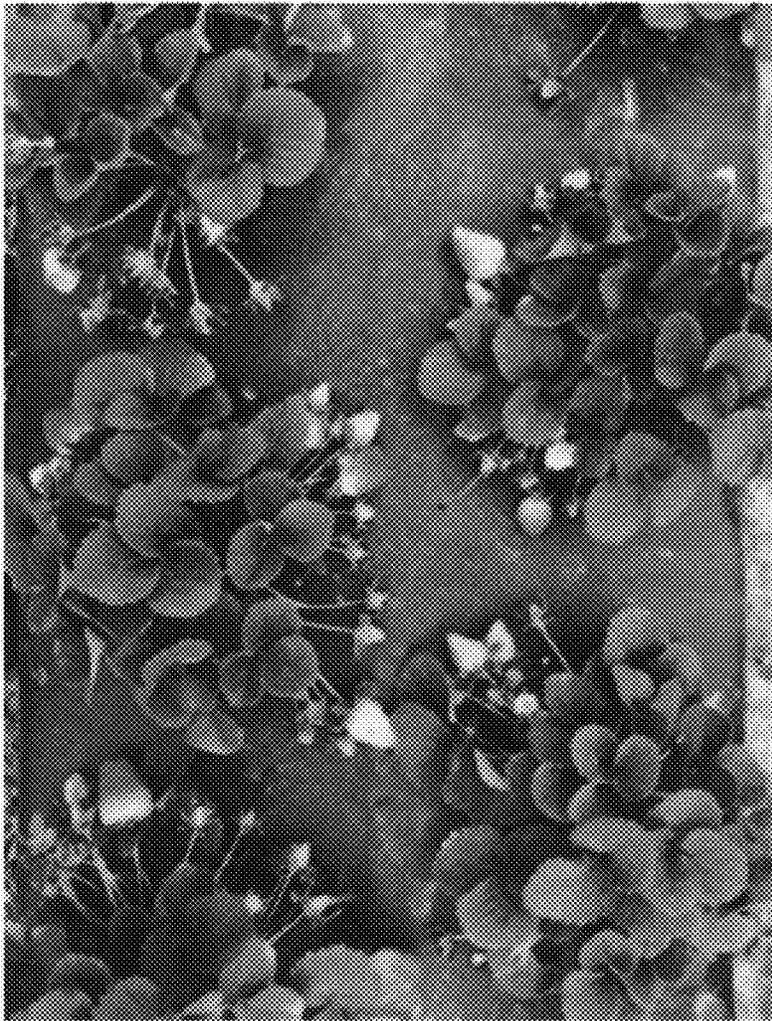


FIG. 2

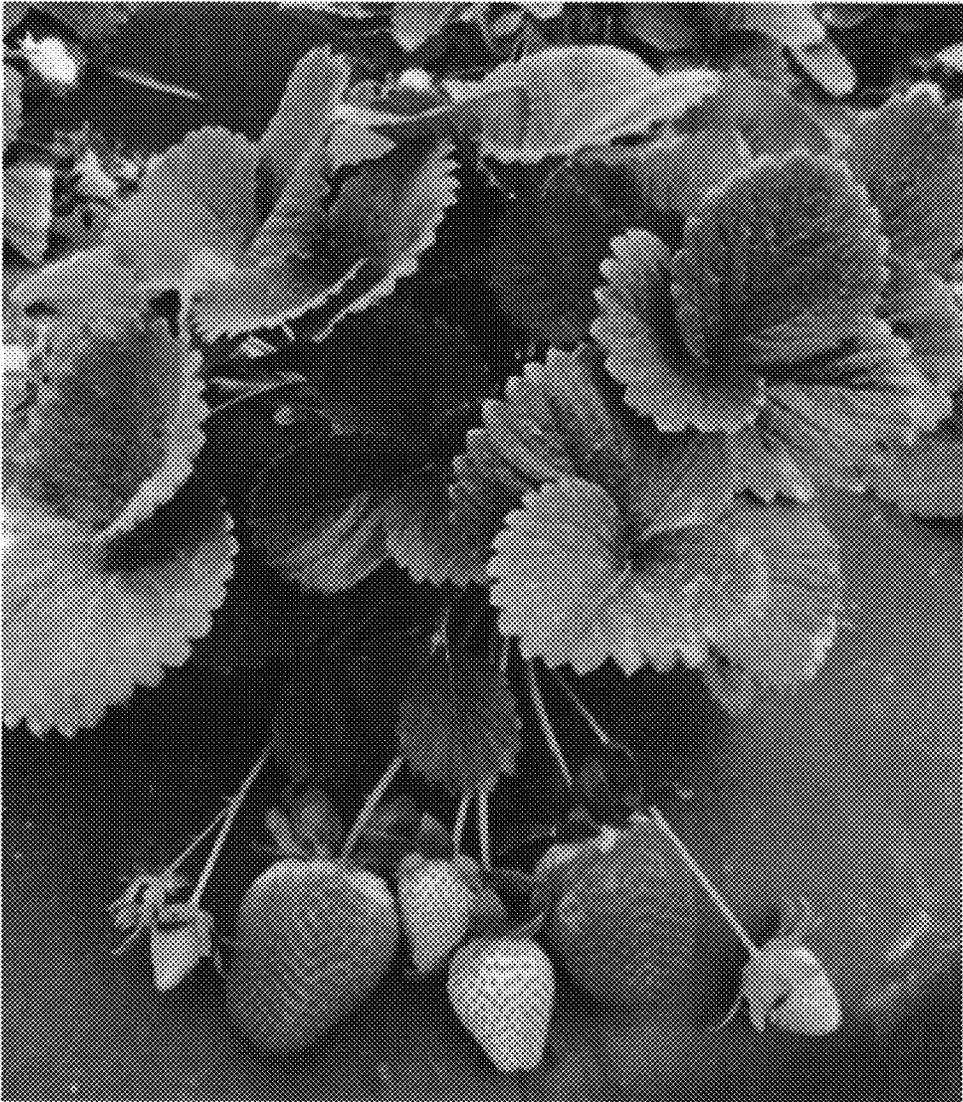


FIG. 3



FIG. 4

