

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

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(45) **Date of Patent:** **May 24, 2016**

(54) **BLUEBERRY PLANT NAMED**
‘DRISBLUETWELVE’

(50) Latin Name: *Vaccinium corymbosum* L.
Varietal Denomination: **DrisBlueTwelve**

(71) Applicant: **DRISCOLL STRAWBERRY**
ASSOCIATES, INC., Watsonville, CA
(US)

(72) Inventors: **Brian K. Caster**, Salinas, CA (US);
Arlen Draper, Payson, AZ (US);
Jennifer K. Izzo, Watsonville, CA (US);
Jorge Rodriguez Alcazar, Texcoco
(MX)

(73) Assignee: **DRISCOLL STRAWBERRY**
ASSOCIATES, INC., Watsonville, CA
(US)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 169 days.

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(65) **Prior Publication Data**

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(51) **Int. Cl.**
A01H 5/08 (2006.01)

(52) **U.S. Cl.**
USPC **Plt./157**

(58) **Field of Classification Search**
USPC Plt./157
See application file for complete search history.

Primary Examiner — June Hwu

(74) Attorney, Agent, or Firm — Jondle & Associates, P.C.

(57) **ABSTRACT**

A new and distinct variety of blueberry plant named ‘Dris-
BlueTwelve’ particularly distinguished by having a late har-
vest season, very low chilling requirement and sweet berries
with very low acidity, is disclosed.

2 Drawing Sheets

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Genus and species: *Vaccinium corymbosum* L.
Variety denomination: ‘DrisBlueTwelve’.

BACKGROUND OF THE NEW PLANT

The invention relates to a new and distinct blueberry vari-
ety designated ‘DrisBlueTwelve’ and botanically known as
Vaccinium corymbosum L. This new blueberry variety was
discovered in Santa Cruz County, Calif. in August 2004 and
originated from a cross between the female parent blueberry
plant ‘Jewel’ (U.S. Plant Pat. No. 11,807) and the proprietary
male parent blueberry plant ‘FL 95-54’ (unpatented). The
original seedling of the new variety was first asexually propa-
gated via softwood cuttings at a nursery in Monterey County,
Calif. in 2004. ‘DrisBlueTwelve’ was subsequently asexually
propagated via softwood cuttings and underwent further test-
ing at a nursery in Guzmán, Mexico for five years (2009-
2013). The present invention has been found to be stable and
reproduce true to type through successive asexual propaga-
tions via softwood cuttings.

Plant Breeder’s Rights for this variety have not been
applied for. ‘DrisBlueTwelve’ has not been made publicly
available or sold more than one year prior to the filing date of
this application.

SUMMARY OF THE INVENTION

The following are the most outstanding and distinguishing
characteristics of this new cultivar when grown under normal
horticultural practices in Guzmán, Mexico.

1. Late harvest season;
2. Very low chilling requirement; and
3. Sweet berries with very low acidity.

DESCRIPTION OF THE PHOTOGRAPHS

This new blueberry plant is illustrated by the accompany-
ing photographs which show fruit of the plant as well as the

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flowers and leaves. The colors shown are as true as can be
reasonably obtained by conventional photographic proce-
dures. The photographs are of plants that are six years old.

FIG. 1 shows a close-up of flower buds and mature flowers.

FIG. 2 shows a close-up of the leaves.

FIG. 3 shows a close-up of the whole fruit and a cross-
section of the fruit.

DESCRIPTION OF THE NEW CULTIVAR

The following detailed description sets forth the distinctive
characteristics of ‘DrisBlueTwelve.’ The data which define
these characteristics is based on observations taken in Guz-
mán, Mexico from 2009-2013. This description is in accor-
dance with UPOV terminology. Color designations, color
descriptions, and other phenotypical descriptions may devi-
ate from the stated values and descriptions depending upon
variation in environmental, seasonal, climatic and cultural
conditions. ‘DrisBlueTwelve’ has not been observed under all
possible environmental conditions. The botanical description
of ‘DrisBlueTwelve’ was taken from 6 year-old plants. Color
references are primarily to The R.H.S. Colour Chart of The
Royal Horticultural Society of London (R.H.S.) (2007 edi-
tion). Descriptive terminology follows the *Plant Identifica-
tion Terminology, An Illustrated Glossary*, 2nd edition by
James G. Harris and Melinda Woolf Harris, unless where
otherwise defined.

DETAILED BOTANICAL DESCRIPTION

Classification:

Family.—Ericaceae.

Botanical.—*Vaccinium corymbosum* L.

Common name.—Blueberry.

Variety name.—‘DrisBlueTwelve’.

Parentage:

Female parent.—The blueberry plant ‘Jewel’ (U.S. Plant Pat. No. 11,807).

Male parent.—The proprietary blueberry plant ‘FL 95-54’ (unpatented).

Plant:

Size.—Very large.

Height.—183.7 cm.

Width.—182.0 cm.

Length/width ratio.—1.0.

Plant vigor.—Strong.

Growth habit.—Upright.

Productivity.—High.

Cold hardiness.—Medium; USDA Plant Hardiness Zone 9.

Chilling requirement.—Very low; 100-200 chilling hours.

Propagation.—Soft wood cuttings.

Time of vegetative bud burst.—Early.

Fruiting type.—Only on one-year-old shoots.

Canes renewal.—Strong.

Internode length (upper half on one-year old shoot).—47.2 mm.

One-year old canes (young canes).—Length: 114.6 cm. Diameter at the base: 76.0 mm. Diameter at the tip: 10.6 mm. Texture: Rough. Color (One-year old shoot, branch and canes): RHS 183B (Dark greyed-purple).

Five-year old canes (mature canes).—Length: 180.8 cm. Diameter at the base: 32.3 mm. Diameter at the tip: 28.1 mm. Texture: Rough. Color: RHS 199D (Light greyed-brown).

Leaves:

Length.—Medium; 8.02 cm.

Width.—Medium; 4.52 cm.

Length/width ratio.—1.8; Longer than broad.

Appearance of leaf bud.—Early.

Shape.—Elliptic.

Apex.—Acute.

Base.—Cuneate.

Margin.—Entire.

Glossiness.—Glossy.

Pubescence.—Glabrous (Absent).

Sheath.—Absent.

Arrangement.—Alternate.

Venation.—Reticulate.

Color.—Upper surface: Dark; RHS 137A (Dark green).

Lower surface: Medium; RHS 138B (Medium green).

Internode length (one-year old shoot, upper half).—Medium; 64.15 mm.

Petiole:

Length.—4.0 mm.

Diameter.—2.65 mm.

Color.—RHS 144D (Light yellow-green).

Flowers:

Length (excluding peduncle).—Medium; 11.05 mm.

Diameter.—7.80 mm.

Length/width ratio.—1.4.

Color.—RHS 155B (White).

Flower bud.—Length: 3.72 mm. Width: 7.21 mm. Number of flowers per bud: 4. Anthocyanin coloration: Strong; RHS 60A (Dark red-purple). Color on immature buds: Light; RHS 145B (Light yellow-green). Color on mature buds: Medium; RHS 145A (Medium yellow-green).

Petal width.—9.80 mm.

Fragrance.—Very faint or absent.

Time of beginning flowering on one-year shoot.—Medium.

Time of flowering (50% antithesis or full bloom).—Medium.

Flowering interval.—January.

Pedice.—Length: 4.49 mm. Diameter: 1.00 mm. Color: RHS 144B (Medium yellow-green).

Corolla.—Diameter of corolla tube: 7.8 mm. Height of corolla tube: 11.5 mm. Aperture diameter: 5.65 mm. Shape: Urceolate (Urn-shaped). Size of corolla tube: Medium. Ridges on tube: Present.

Peduncle.—Length: 44.00 mm. Surface texture: Smooth. Color: RHS 144B (Medium yellow-green).

Reproductive Organs:

Style length (including stigma).—Medium; 8.60 mm.

Style color.—RHS 144B (Medium yellow-green).

Pollen amount.—Very low.

Pollen color.—RHS 155D (White).

Pollination requirement.—Intermediate.

Anther color.—RHS 167B (Medium greyed-orange).

Ovary color.—RHS 55B (Light red).

Fruit:

Size.—Medium.

Length.—13.90 mm.

Width.—16.70 mm.

Length/width ratio.—0.8.

Fruit pedicel diameter.—4.49 mm.

Weight.—2.0 g.

Number of berries per cluster.—8.20.

Cluster density.—Medium.

Shape in longitudinal sections.—Oblate.

Intensity of green color (immature fruit with bloom).—Light; RHS 142C (Light green).

Color of skin (immature fruit without bloom).—RHS 178B (Dark greyed-red).

Color of skin (mature fruit without bloom).—RHS N186A (Dark greyed-purple).

Color of skin (mature fruit with bloom).—RHS 97B (Light violet-blue).

Intensity of bloom (mature fruit).—Strong.

Attitude of sepals.—Incurving.

Calyx.—Diameter of basin: Very small; 6.70 mm. Depth of basin: Very shallow; 2.00 mm. Diameter/depth ratio: 3.4.

Flesh color.—RHS 154D (Light yellow-green).

Firmness.—Firm.

Sweetness.—High.

Acidity.—Very low.

Time of beginning of fruit ripening (one-year old shoots).—Late.

Harvest season.—Late.

Harvest interval.—February-June.

Seeds:

Length.—1.60 mm.

Width.—1.00 mm.

Length/width ratio.—1.6.

Abundance.—Very low.

Color.—RHS N167A (Medium greyed-orange).

Resistance to pests and diseases: Data not available.

COMPARISON WITH PARENTAL AND COMMERCIAL VARIETIES

‘DrisBlueTwelve’ differs from the female parent ‘Jewel’ (U.S. Plant Pat. No. 11,807) in that the fruit of ‘DrisBlueTwelve’ is sweeter, juicier, and more aromatic than ‘Jewel’.

‘DrisBlueTwelve’ differs from the male parent ‘FL 95-54’ (unpatented) in that ‘DrisBlueTwelve’ is much more vigorous and makes a more bushy canopy than ‘FL 95-54’. Additionally, the fruit of ‘FL 95-54’ are lighter blue in color due to more bloom than the fruit of ‘DrisBlueTwelve’.

‘DrisBlueTwelve’ differs from the commercial variety ‘DrisBlueFour’ (U.S. application Ser. No. 13/573,345) in that ‘DrisBlueTwelve’ has later production in Mexico than ‘Dris-

BlueFour’. Additionally, ‘DrisBlueTwelve’ has an upright growth habit, whereas ‘DrisBlueFour’ has a semi-erect growth habit.

We claim:

1. A new and distinct variety of blueberry plant named ‘DrisBlueTwelve’ as shown and described herein.

* * * * *



FIG. 1

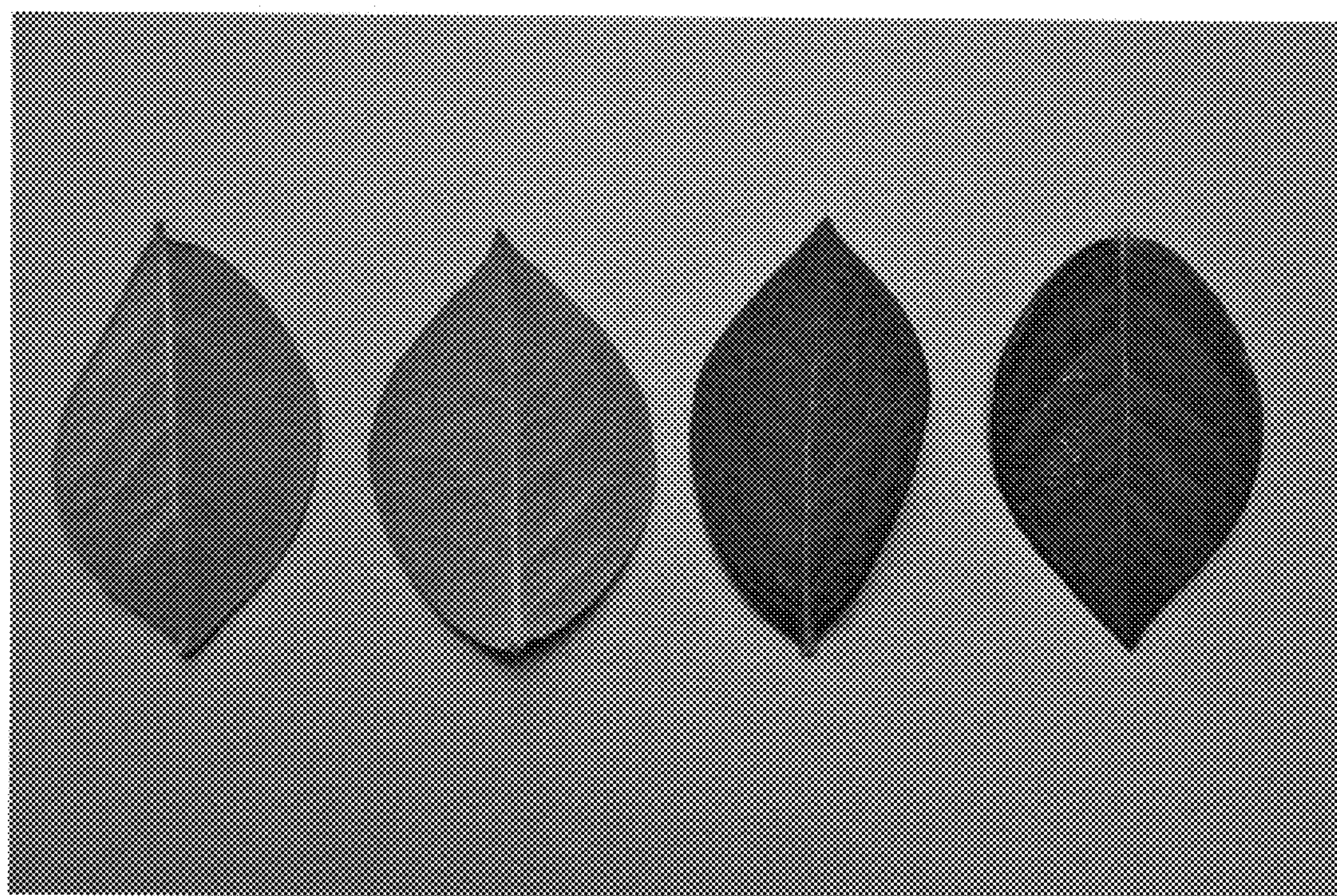


FIG. 2

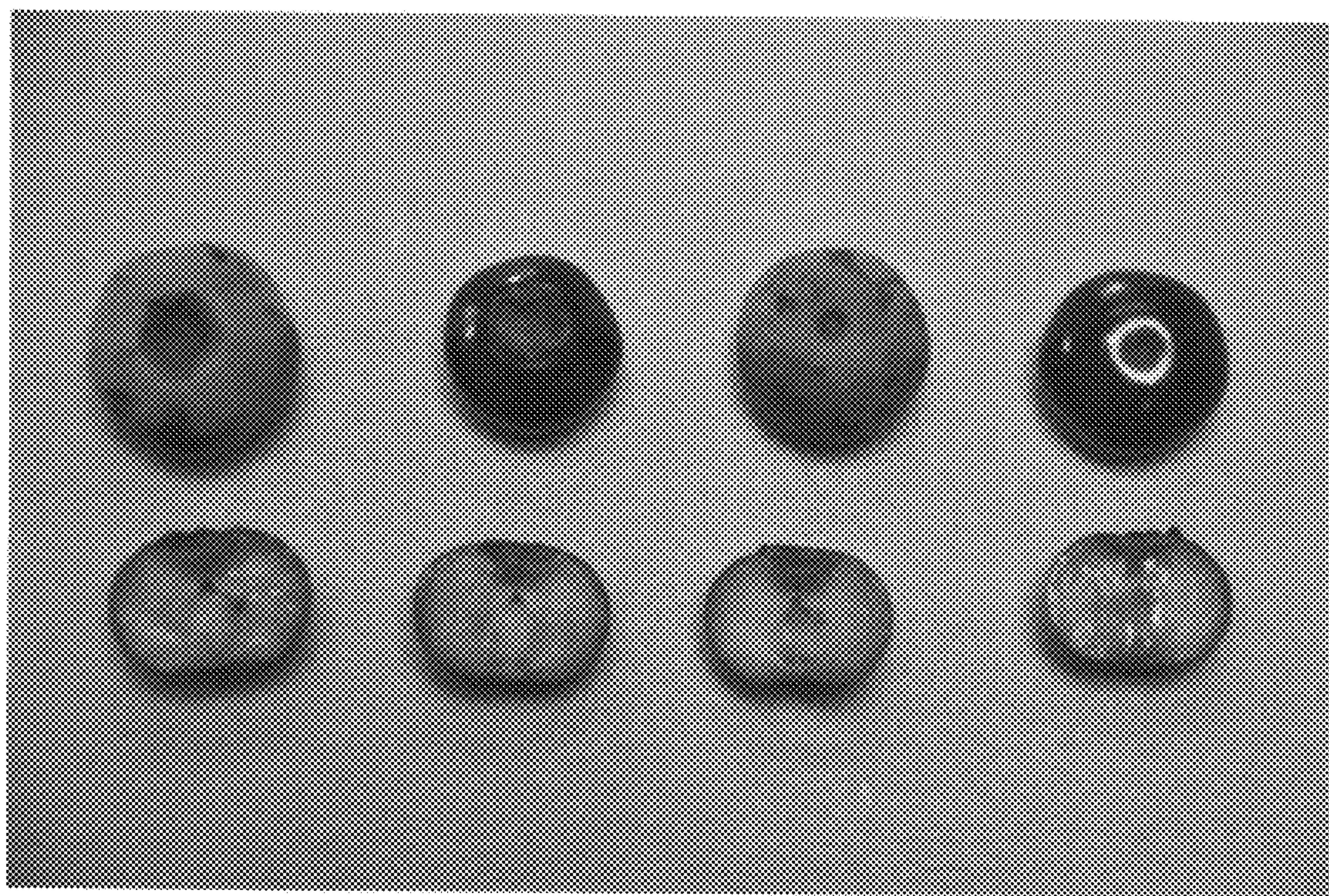


FIG. 3

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : PP26,748 P3
APPLICATION NO. : 13/998800
DATED : May 24, 2016
INVENTOR(S) : Brian K. Caster et al.

Page 1 of 1

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

In the Specification

In Column 1, Line 9, delete “female” and insert -- male --, therefor.

In Column 1, Line 11, delete “male” and insert -- female --, therefor.

In Column 3, Line 2, delete “Female” and insert -- Male --, therefor.

In Column 3, Line 4, delete “Male” and insert -- Female --, therefor.

In Column 4, Line 63, delete “female” and insert -- male --, therefor.

In Column 5, Line 1, delete “male” and insert -- female --, therefor.

Signed and Sealed this
Seventh Day of March, 2017



Michelle K. Lee
Director of the United States Patent and Trademark Office