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

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(54) **BLUEBERRY PLANT NAMED**
'DRISBLUEONE'

(50) Latin Name: *Vaccinium corymbosum*
Varietal Denomination: **DrisBlueOne**

(75) Inventors: **Brian Caster**, Watsonville, CA (US);
Arlen Draper, Payson, AZ (US)

(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 0 days.

(21) Appl. No.: **12/082,278**

(22) Filed: **Apr. 10, 2008**

(51) **Int. Cl.**
A01H 5/00 (2006.01)

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

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

Primary Examiner—June Hwu

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

(57) **ABSTRACT**

This invention relates to a new and distinct cultivar of blue-
berry plant named 'DrisBlueOne' primarily characterized by
large berries with medium sweetness, medium acidity, and
slightly oblate spherical berry shape and berries that have
green flesh, is disclosed.

2 Drawing Sheets

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Genus and species: *Vaccinium corymbosum*.
Variety denomination: 'DrisBlueOne'.

BACKGROUND OF THE NEW PLANT

The present invention relates to a new and distinct blue-
berry cultivar designated 'DrisBlueOne' and botanically
known as *Vaccinium corymbosum*. This new blueberry culti-
var was discovered in Watsonville, Santa Cruz County, Calif.
in September 2000 as a result of a hybridization between the
female parent, 'MS7' a proprietary unpatented variety and the
male parent, 'Jubilee' an unpatented variety.

The original seedling of the new cultivar was asexually
propagated at a nursery in Watsonville, Monterey County,
Calif. 'DrisBlueOne' was subsequently asexually propagated
and underwent further testing at a nursery in Watsonville,
Santa Cruz County, Calif. for seven years. 'DrisBlueOne' has
been asexually propagated via softwood cuttings. The present
invention has been found to be stable and reproduce true to
type through successive asexual propagations.

SUMMARY OF THE INVENTION

The following are the most outstanding and distinguishing
characteristics of this new cultivar when grown under normal
horticultural practices in Watsonville, Santa Cruz County,
Calif.

1. Large berries with medium sweetness;
2. Medium acidity and a slightly oblate spherical berry
shape; and
3. Berries that have green flesh.

DESCRIPTION OF THE PHOTOGRAPHS

The accompanying color photographs show typical speci-
mens of the new cultivar at various stages of development as
nearly true as it is possible to make in color reproductions.
The photographs are of plants that are 7 years old.

FIG. 1 shows both the upper surface and lower surface of
the leaves.

FIG. 2 shows the mature flowers.

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FIG. 3 shows the whole fruit and a longitudinal-section of
the fruit.

DESCRIPTION OF THE NEW CULTIVAR

The following description of 'DrisBlueOne' is based on
observations taken from the 2007 growing season in Watson-
ville, Santa Cruz County, Calif., where the age of the 'Dris-
BlueOne' plants was 7 years, while the age of the comparison
variety 'O'Neal' plants was 12 years old. All descriptions are
in accordance with UPOV terminology. Color designations,
color descriptions, and other phenotypical descriptions may
deviate from the stated values and descriptions depending
upon variation in environmental, seasonal, climatic and cul-
tural conditions. 'DrisBlueOne' has not been observed under
all possible environmental conditions. Color terminology fol-
lows The Royal Horticultural Society Colour Chart, London
(R.H.S.) (2001).

DETAILED BOTANICAL DESCRIPTION

Table 1 shows plant characteristics of the new variety com-
pared with plant characteristics of blueberry plant 'O'Neal'
(unpatented). Table 1 includes plant, canopy and cane char-
acteristics.

TABLE I

Characteristic	'DrisBlueOne'	'O'Neal'
<u>Plant:</u>		
Vigor	Strong	Low
Growth habit	Bushy	Bushy
Chilling requirement	Medium	Medium
Propagation	From softwood cuttings	From softwood cuttings
<u>Canopy:</u>		
Bush height (cm)	55	134
Canopy width (cm)	63	124
Height/Width ratio	0.9	1.1

TABLE I-continued

Characteristic	'DrisBlueOne'	'O'Neal'
<u>Canes:</u>		
Age at maturity (years)	3 years	3 years
Mature cane texture	Rough	Rough
Mature cane diameter (cm)	1.08	0.734
Mature cane length (cm)	66.2	69.0
Mature cane color	RHS 146C (yellow-green)	RHS 138A (green)
Cane renewal	Medium	Weak

Table 2 shows plant characteristics of the new variety compared with plant characteristics of blueberry plant 'O'Neal' (unpatented). Table 2 includes bud, calyx, corolla, flower and pedicel characteristics. Where "n/a" appears for a characteristic, it indicates a characteristic is not available.

TABLE 2

Characteristic	'DrisBlueOne'	'O'Neal'
<u>Bud:</u>		
Time of bud break	Medium	Early
Flowers per bud	10	6
<u>Calyx:</u>		
Diameter at anthesis (cm)	0.856	0.658
Lobe count	5	5
Color	RHS 139A (dark green)	RHS 145C (light yellow-green)
<u>Corolla:</u>		
General		
	Petals fused into a corolla with 5 lobes	Petals fused into a corolla with 5 lobes
Length (cm)	0.794	1.014
Diameter (cm)	0.838	0.886
Aperature diameter (cm)	0.58	0.334
Mature color	RHS 157C (green-white)	RHS 155A (white)
<u>Flower:</u>		
Type		
	Perfect hypogynous (inferior ovary); stamens attached at base of fused corolla tube	Perfect hypogynous (inferior ovary); stamens attached at base of fused corolla tube
Shape	Urceolate	Urceolate
Fragrance	Faint	Very faint
Size	Large	Medium
50% anthesis (full bloom)	March 18 th	n/a
1% bloom	Medium	Early
<u>Pedicel:</u>		
Color	RHS 143D (green-white)	RHS 144D (light yellow-green)
Length (cm)	0.678	0.478

Table 3 shows plant characteristics of the new variety compared with plant characteristics of blueberry plant 'O'Neal' (unpatented). Table 3 includes leaf and shoot characteristics.

TABLE 3

Characteristic	'DrisBlueOne'	'O'Neal'
<u>Leaves:</u>		
Arrangement	Alternate	Alternate
Shape	Broadly elliptic to oval	Simple and broadly elliptic to slightly ovate
Apex	Broadly acute	Broadly acute

TABLE 3-continued

Characteristic	'DrisBlueOne'	'O'Neal'
5	<u>Base</u>	
	Broadly acute to rounded	Broadly acute to slightly cuneate
	Margin	Entire
	Pubescence	Glabrous
	(both surfaces)	Glabrous
10	Length (cm)	6.502
	Width (cm)	3.958
	Length/width ratio	1.6
	Color, upper surface	RHS 137A (green)
	Color, lower surface	RHS 137C (green)
	Venation	Reticulate
15	<u>Petiole:</u>	
	Length (cm)	0.37
	Color	RHS 145B (yellow-green)
		RHS N144D (yellow-green)
20	<u>Shoots:</u>	
	Internode length (cm)	1.72
		1.634

Table 4 shows plant characteristics of the new variety compared with plant characteristics of blueberry plant 'O'Neal' (unpatented). Table 4 includes berry, skin, peduncle and seed characteristics.

TABLE 4

Characteristic	'DrisBlueOne'	'O'Neal'
<u>Berry:</u>		
35	Shape	
	Slightly oblate sphere	Slightly oblate sphere
	Size	Large
	Weight (g)	1.77
	Height	1.346
	(cm, pedicel scar to calyx)	1.284
	Diameter	1.684
40	(cm at widest point)	
	Height/diameter ratio	0.80
	Firmness	Very firm
	Sweetness	Medium
	Acidity	Medium
	Season/timing (25% ripe)	Mid-season
45	Season/timing (50% ripe)	
	June 17 th	June 14 th
	Pedicel scar diameter (cm)	0.248
	<u>Skin:</u>	
	Bloom deposition	Strong/heavy
	Mature color with bloom	RHS 104D (blue)
50	Mature color without bloom	
	RHS 103A (blue)	RHS 103A (blue)
	Immature color with bloom	RHS 142C (green)
		RHS 143D (light green)
	<u>Flesh:</u>	
	Color	RHS 145B (green)
		RHS 157A (green-white)
55	<u>Seed:</u>	
	Abundance	16 per fruit
	Color	RHS N167A (orange-brown)
		RHS 165B (greyed-orange)
	Length (cm)	0.184
60	Width (cm)	
	0.124	0.112
	Length/width ratio	1.48
		1.79

Table 5 shows plant characteristics of the new variety compared with plant characteristics of blueberry plant 'O'Neal' (unpatented). Table 5 includes the reproductive organs.

TABLE 5

Characteristic	'DrisBlueOne'	'O'Neal'
<u>Reproductive Organs:</u>		
Ovary color	RHS 122A (blue-green)	RHS 133C (green)
Pollen color	RHS 11C (yellow)	RHS 8D (light yellow)
Anther color	RHS 172B (greyed-orange)	RHS N170A (greyed-orange)
Style length, including stigma (cm)	0.812 cm	0.810 cm
Pollination requirement	Believed to be self-fertile	

Resistance to diseases and insects: Disease and insect resistance are typical of the species.

COMPARISON WITH PARENTAL VARIETIES

When 'DrisBlueOne' is compared to the female parent 'MS7' (unpatented), 'DrisBlueOne' has a more spherical berry shape and stronger flavor, while 'MS7' has a more oblate berry shape and a milder flavor.

When 'DrisBlueOne' is compared to the male parent 'Jubilee' (unpatented), 'DrisBlueOne' has a bushy growth habit and large berries, while 'Jubilee' has an upright growth habit and small to medium-sized berries.

We claim:

1. A new and distinct cultivar of blueberry plant as described and shown herein.

* * * * *

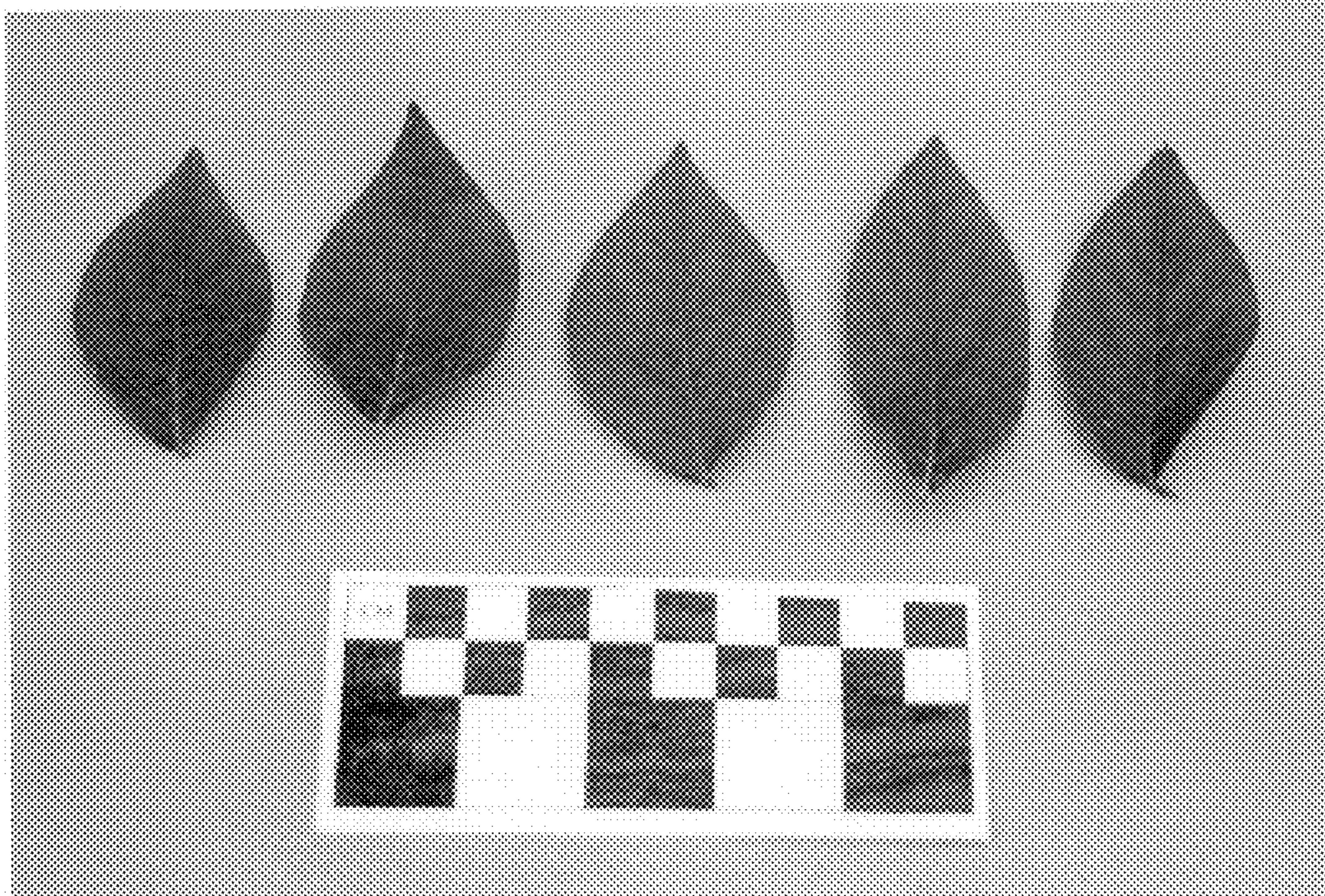


FIG. 1

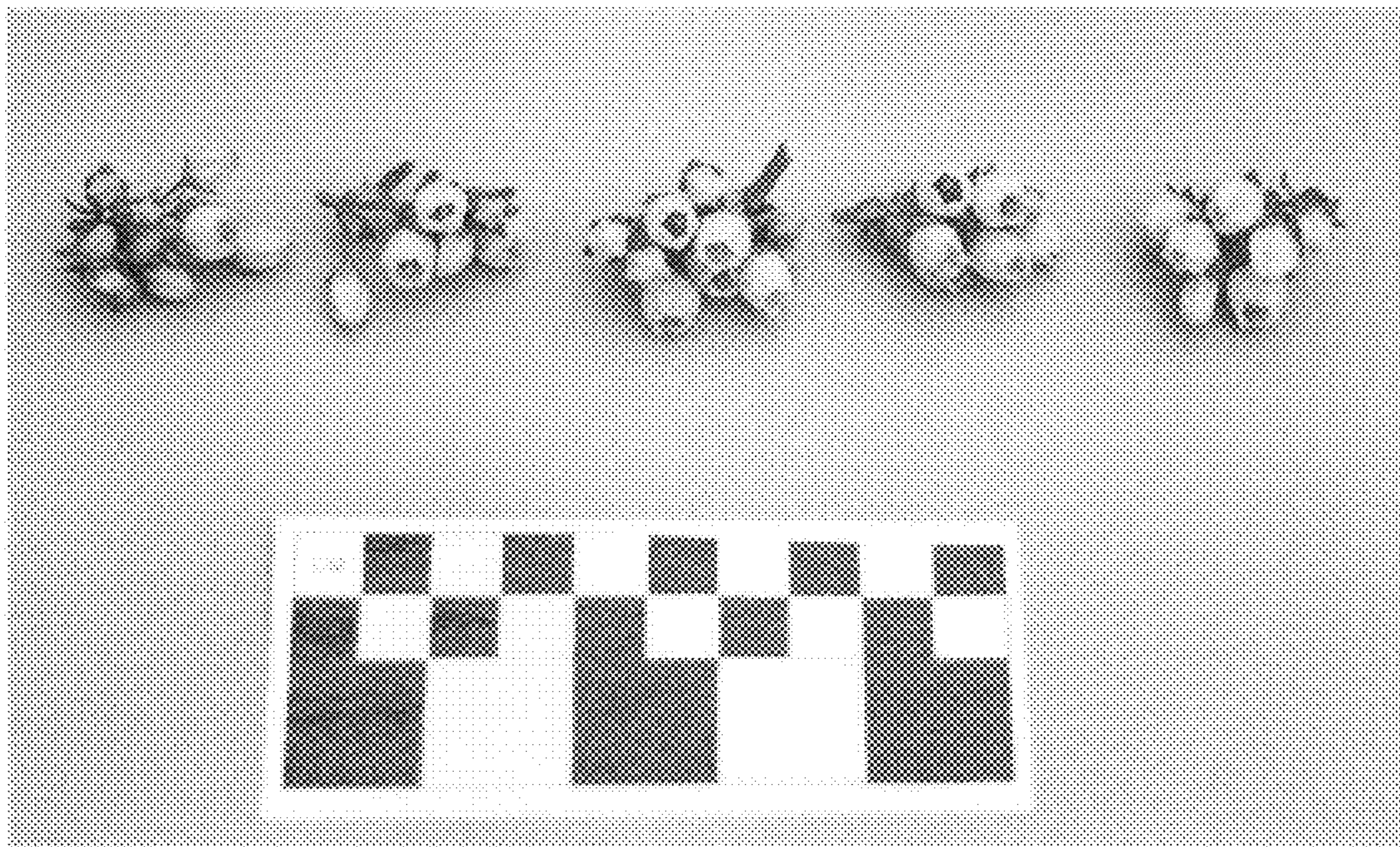


FIG. 2

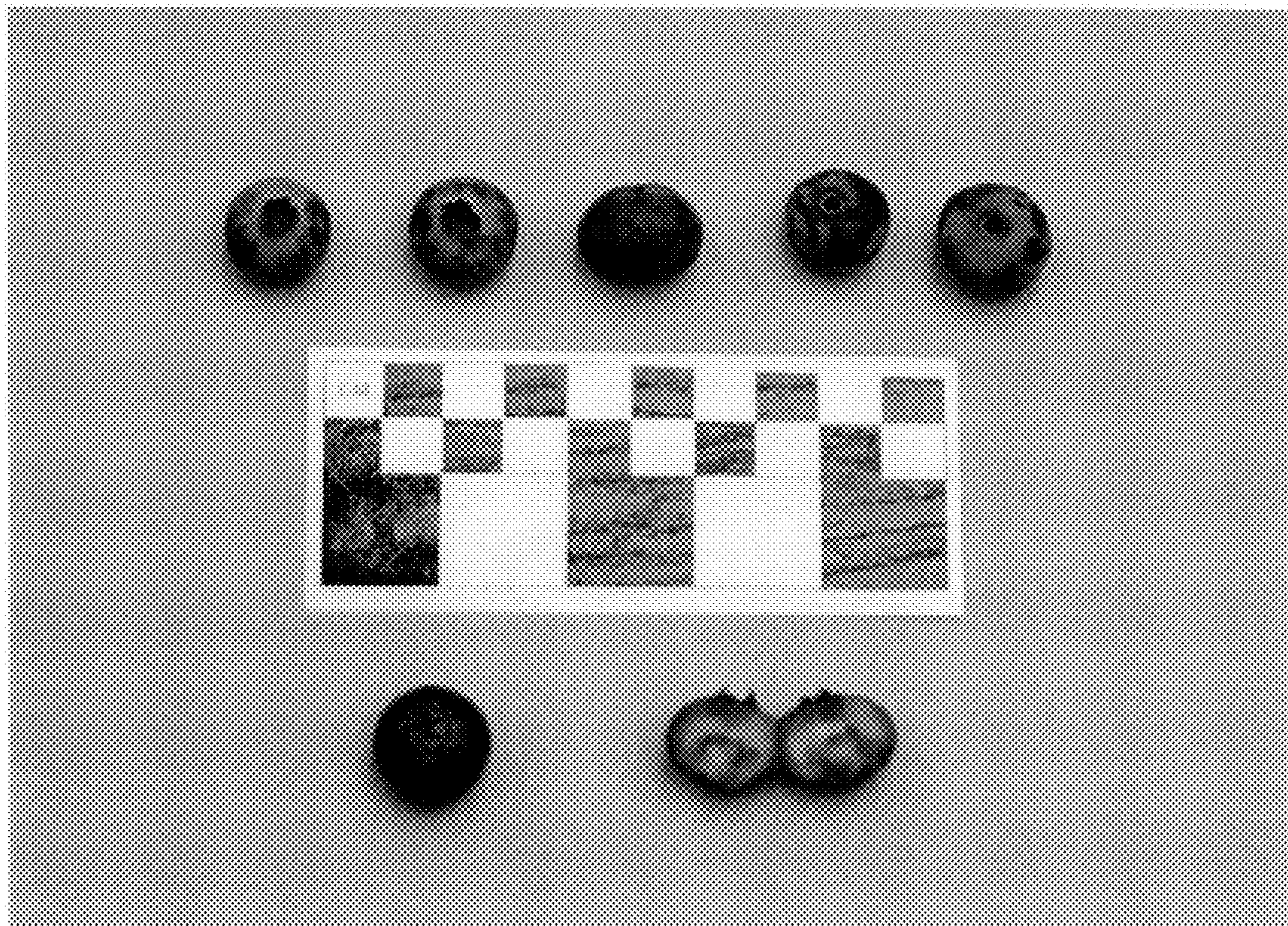


FIG. 3

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : PP20,449 P2
APPLICATION NO. : 12/082278
DATED : November 3, 2009
INVENTOR(S) : Brian 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 11, delete “female” and insert -- male --, therefor.

In column 1, line 12, delete “male” and insert -- female --, therefor.

In column 6, line 3, delete “female” and insert -- male --, therefor.

In column 6, line 7, delete “male” and insert -- female --, therefor.

Signed and Sealed this
Fifteenth Day of November, 2016



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