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

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(54) **NECTARINE TREE 'S 6816'**

(50) Latin Name: *Prunus persica*
Varietal Denomination: **S 6816**

(75) Inventor: **René Francois Monet**, Villenave d'Ornon (FR)

(73) Assignee: **Agri-Obtentions SA**, Guyancourt Cedex (FR)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 132 days.

(21) Appl. No.: **10/642,442**

(22) Filed: **Aug. 14, 2003**

Related U.S. Application Data

(60) Provisional application No. 60/404,217, filed on Aug. 15, 2002.

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

(52) **U.S. Cl.** **Plt./192**

(58) **Field of Classification Search** **Plt./192, Plt./190**

See application file for complete search history.

(56)

References Cited

U.S. PATENT DOCUMENTS

PP12,008 P2 * 7/2001 Zaiger et al. **Plt./192**

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Primary Examiner—Anne Marie Grunberg

Assistant Examiner—June Hwu

(74) *Attorney, Agent, or Firm*—Stratton Ballew PLLC

ABSTRACT

A new cultivar of nectarine tree (*Prunus persica* L. Batsch) named 'S 6816' is disclosed. The fruit of 'S 6816' is oblate, yellow fleshed, and freestone, and is notable for its early maturity and very sweet flavor.

6 Drawing Sheets

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Latin name of the genus and species of the plant claimed:
Prunus persica L. Batsch.

Variety denomination: 'S 6816'.

BACKGROUND OF THE INVENTION

The new nectarine tree 'S 6816' was developed by the Institut National de la Recherche Agronomique (INRA) at Angers, France, as part of a controlled breeding program. 'S 6816' was one of several seedlings resulting from a cross of [(Kiang-Si×Independence)×Summergrand]×Marsun (all unpatented). 'S 6816' was asexually propagated by budding at Angers, France, and has been observed to remain true to type over successive asexually propagated generations.

BRIEF SUMMARY OF THE INVENTION

'S 6816' was selected for its suitability as a commercial nectarine tree cultivar. Fruit of the 'S 6816' cultivar matures in late July in central Washington state, and is notable for its aromatic and sweet yellow flesh. The fruit of 'S 6816' is distinguishable from that of the parent varieties by its flat shape and smooth skin. The characteristics which distinguish 'S 6816' from its parents are set forth in Table 1.

TABLE 1

Variety	Fruit Type	Shape	Flesh Color
S 6816	Nectarine	Flat	Yellow
Kiang-Si	Peach	Flat	Yellow
Independence	Nectarine	Round	Yellow
Summergrand	Nectarine	Round	Yellow
Marsun	Peach	Round	Yellow

This variety is distinguishable over related variety 'S 6817' (U.S. patent application Ser. No. 10/642,441) by its 35 earlier maturity date and smaller and sweeter fruit.

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BRIEF DESCRIPTION OF THE PHOTOGRAPHS

FIG. 1 shows branches and blossoms of the new cultivar;

FIG. 2 shows a tree of the new cultivar;

FIG. 3 shows leaves of the new cultivar;

FIG. 4 shows a leaf, a stone, and a portion of a fruit of the new cultivar;

FIG. 5 shows fruit of the new cultivar; and

FIG. 6 shows a sectioned fruit of the new cultivar.

DETAILED BOTANICAL DESCRIPTION OF THE VARIETY

15 The following is a detailed botanical description of 'S 6816,' a new and distinct nectarine tree, based on observations made during the 2004 growing season, of specimens planted at Parker, Wash., USA, in 1999. The described trees were grown on 'Lovell' (not patented) rootstock. All colors 20 are described according to The Royal Horticultural Society Color Chart. It should be understood that the botanical and analytical characteristics described will vary somewhat depending upon cultural practices and climatic conditions, and can vary with location and season. Quantified measurements are expressed as an average of measurements taken 25 from a number of individual plants of the new variety. The measurements of any individual plant, or any group of plants, of the new variety may vary from the stated average.

30 Tree:

Size.—Large, width 2.2 m wide, height 3.4 m.

Vigor.—Strong.

Habit.—Upright.

Trunk.—Diameter 31 cm at soil level; very rough; overcolor grey 201D; undercolor grey 175A; lenticels prominent, 0.3 to 0.5 cm, yellow 159A.

<i>Branches</i> .—Smooth, greyed red 181A, internode length 3.1 to 3.8 cm, lateral branch diameter 1.8 cm, length 46.2 cm (previous season growth).	<i>Symmetry</i> .—Symmetric.
<i>Leaves</i> :	<i>Prominence of suture</i> .—Weak.
<i>Young shoot — length of stipule</i> .—Medium.	<i>Depth of stalk cavity</i> .—Shallow, 0.5 cm.
<i>Size</i> .—Length 10.5 cm; 4.0 cm.	<i>Width of stalk cavity</i> .—Broad, 2.8 cm.
<i>Ratio length to width</i> .—Medium.	<i>Skin</i> .—Color: ground color orange-red 34C, over color red-purple 59A; thin, smooth, tenacious.
<i>Shape</i> .—Lanceolate, base rounded, apex acuminate, recurved, cross section concave.	<i>Pubescence</i> .—Absent.
<i>Color</i> .—Upper surface green 146A, lower surface green N144A, upper venation color green 154D.	<i>Firmness of flesh</i> .—Soft.
<i>Texture</i> .—Smooth.	<i>Ground color of flesh</i> .—Yellow-orange 17C.
<i>Margin</i> .—Serrate to serrulate.	<i>Anthocyanin coloration directly under skin</i> .—Absent or very weakly expressed.
<i>Petiole</i> :	<i>Anthocyanin coloration of flesh</i> .—Absent or very weakly expressed.
<i>Size</i> .—Length 1.5 cm, diameter 0.2 cm.	<i>Anthocyanin coloration around stone</i> .—Present, red-purple 59C.
<i>Color</i> .—Green 154D.	<i>Pit cavity</i> .—Diameter 3.0 cm, color red-purple 59C.
<i>Glands</i> .—Present, usually 2, reniform.	<i>Texture of flesh</i> .—Not fibrous.
<i>Flowers</i> :	<i>Sweetness</i> .—Very sweet, 12° Brix.
<i>Bud</i> .—Length 0.9 to 1.1 cm, round, smooth, hardy, red-purple 59A, tip pink 62A.	<i>Acidity</i> .—Low.
<i>Bud burst</i> .—March 18 at Parker, Wash.	<i>Stone</i> :
<i>Bloom period</i> .—March 18 to April 7 at Parker, Wash.	<i>Size</i> .—Small, diameter 3.0 cm.
<i>Flower type</i> .—Showy, fragrant, 1 to 4 per cluster.	<i>Shape in lateral view</i> .—Oblate.
<i>Petals</i> .—Quantity 5; length 1.8 to 2.1 cm, width 1.3 to 1.5 cm; margins ruffled, overlapping; shape obovate to rotund; color pink 69A.	<i>Color</i> .—Red-purple 59C.
<i>Sepals</i> .—Length 0.5 to 0.6 cm; width 0.4 to 0.5 cm; color red-purple 59A.	<i>Relief of surface</i> .—Small pits, ridges.
<i>Flower size</i> .—Diameter 3.5 to 3.7 cm.	<i>Tendency of splitting at peak harvest</i> .—Absent or very low.
<i>Reproductive organs</i> .—Stamen white 155D, quantity 39, length 1.0 to 1.3 cm; anther length 0.5 cm, brown 199A; filament 0.9 to 1.2 cm; pistil 0.9 to 1.0 cm, smooth, yellow 3A.	<i>Adherence to flesh</i> .—Absent (freestone).
<i>Pollen</i> .—Scarce, yellow 1A.	Time of maturity for consumption: Early, late July in Parker, Wash.
<i>Fruit</i> :	Tendency to preharvest drop: Absent or very weak.
<i>Size</i> .—Small, diameter 70 mm, height 4.0 cm.	Resistance to diseases and pests: None observed.
<i>Shape (ventral view)</i> .—Broad oblate.	Heat and cold tolerance: Tolerant in area tested (USDA Zone 6).
<i>Shape of pistil end</i> .—Weakly depressed.	We claim:
	1. A new and distinct nectarine tree, substantially as shown and described herein.

* * * * *



FIG. 1

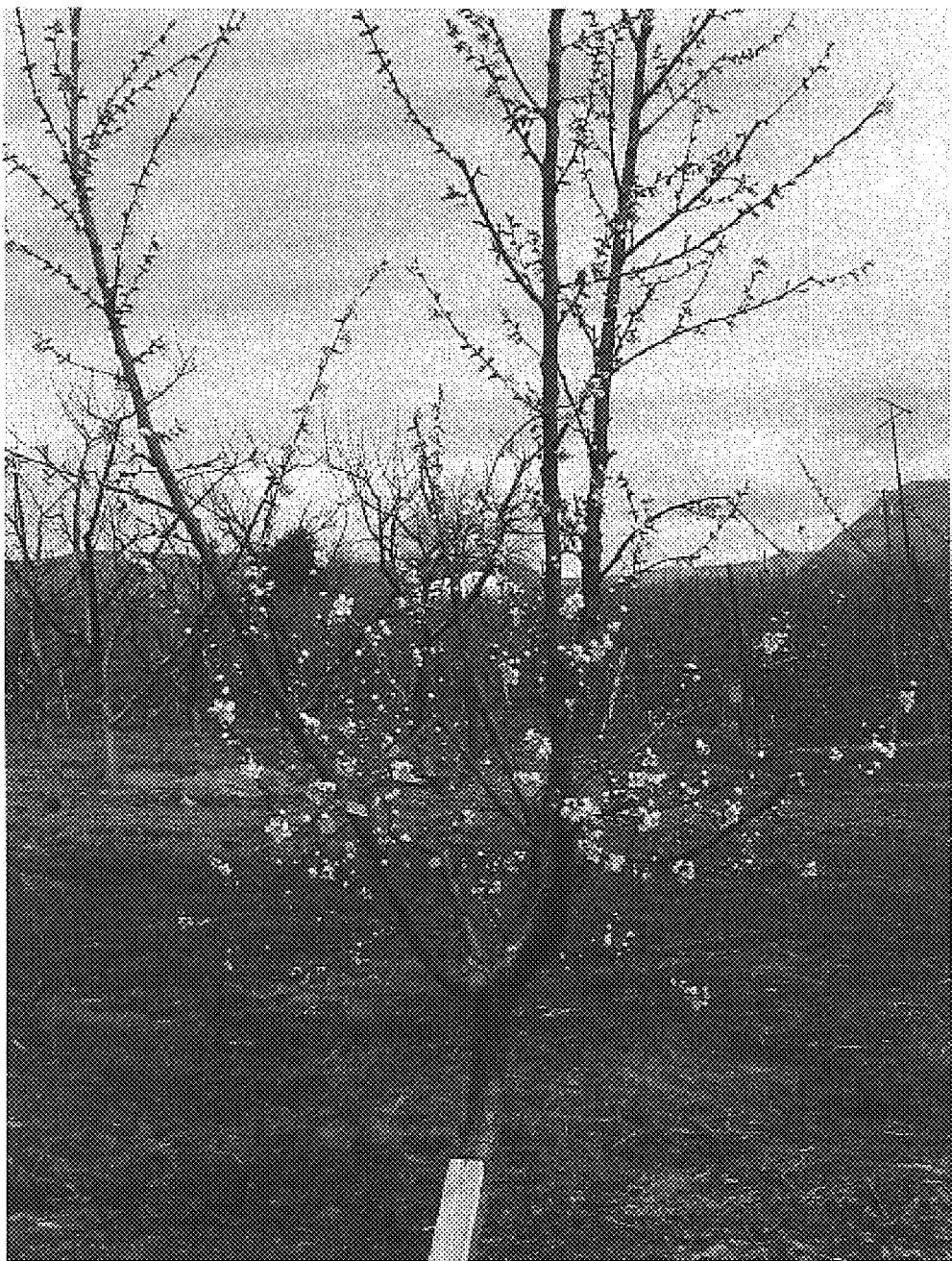


FIG. 2



FIG. 3

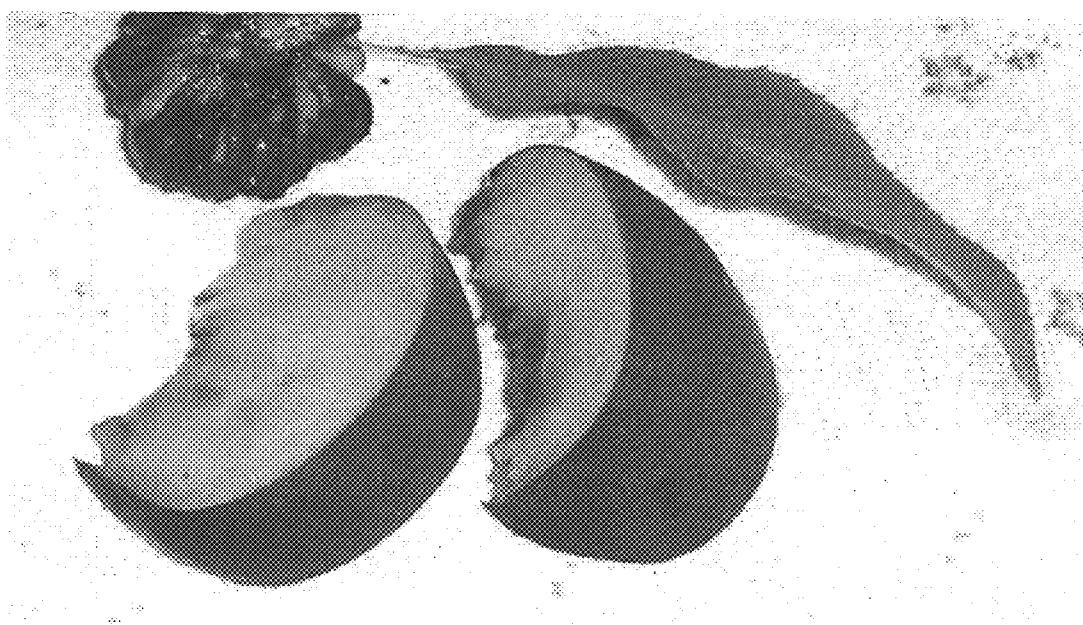


FIG. 4

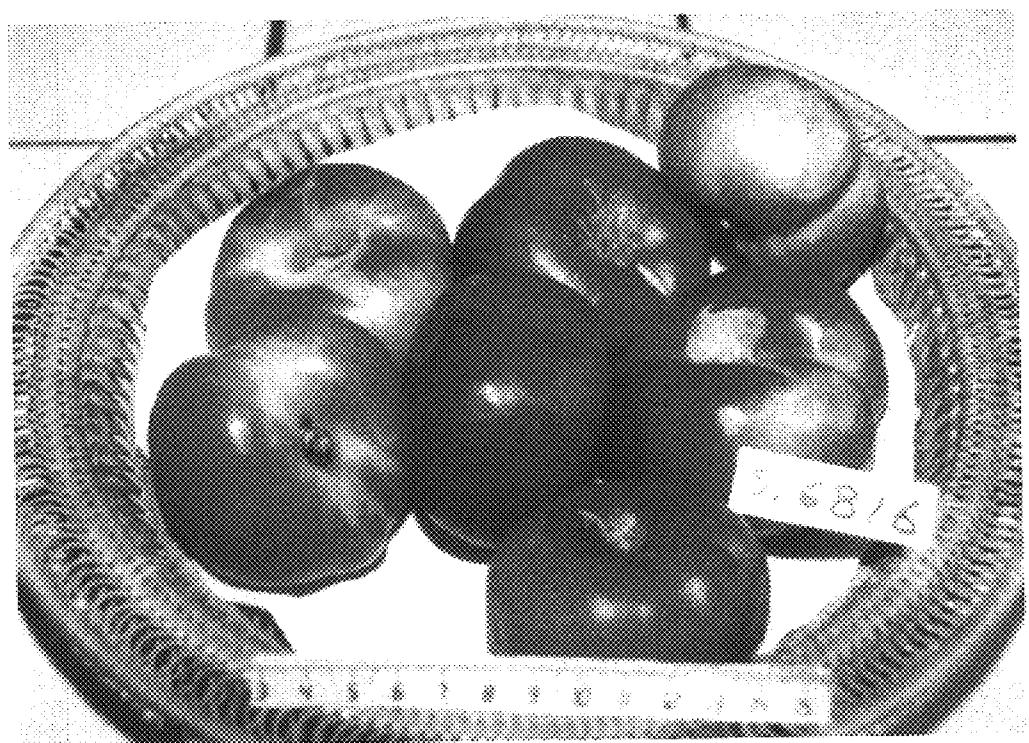


FIG. 5

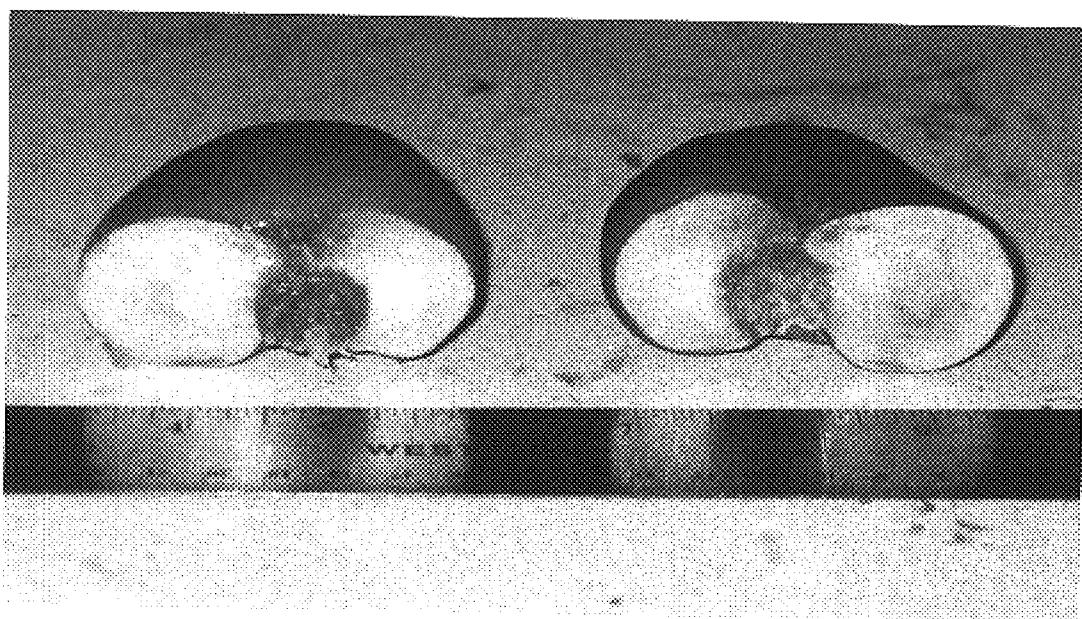


FIG. 6