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

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(54) **PEACH TREE NAMED 'S 6359'**(50) Latin Name: ***Prunus persica L. Batsch***
Varietal Denomination: **S 6359**(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 4 days.

(21) Appl. No.: **11/013,495**(22) Filed: **Dec. 15, 2004**(65) **Prior Publication Data**

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Related U.S. Application Data

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(51) **Int. Cl.**
A01H 5/00 (2006.01)(52) **U.S. Cl.** **Plt./198**
(58) **Field of Classification Search** Plt./198, Plt./194, 195, 196, 197, 199

See application file for complete search history.

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

Variety denomination: 'S 6359'.

BACKGROUND OF THE INVENTION

The invention relates to the field of peach trees. More specifically, the invention is a new and distinct cultivar of peach tree *Prunus persica* L. Batsch named 'S 6359'. The new peach tree 'S 6359' is a product of the breeding program at Angers, France. 'S 6359' was one of several seedlings resulting from a cross of unknown parents. 'S 6359' was asexually propagated by budding at Angers, France, and has been observed to remain true to type over successive asexually propagated generations.

BRIEF DESCRIPTION OF THE INVENTION

'S 6359' was selected for its suitability as a commercial peach tree cultivar. Fruit of the 'S 6359' cultivar matures in mid to late August in central Washington state, and is notable for its oblate shape and yellow orange flesh. The characteristics which distinguish 'S 6359' from other related varieties are set forth in Table 1.

(56) **References Cited****U.S. PATENT DOCUMENTS**PP5,123 P * 10/1983 Bailey et al. Plt./196
PP12,157 P2 * 10/2001 Slaughter et al. Plt./197
PP13,352 P2 * 12/2002 Sherman Plt./197**OTHER PUBLICATIONS**

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Sales of Freestone Peach Trees for Commercial Planting in California, including Graftings [online], [retrieved on Sep. 29, 2005]. Retrieved from the Internet <http://www.eatcaliforniafruit.com/growers-shippers/reports-bulletins/pdf/Peach_Tree_Sales_cont.03.pdf> 5pages.*

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Primary Examiner—Kent Bell*Assistant Examiner*—June Hwu(74) *Attorney, Agent, or Firm*—Stratton Ballew PLLC**ABSTRACT**

A new cultivar of peach tree (*Prunus persica* L. Batsch) named 'S-6359' is disclosed. The new cultivar is notable for its large, yellow fleshed, high quality fruit.

3 Drawing Sheets**2****TABLE 1**

Comparison of 'S 6359' to Other Known Varieties (measurements given are approximate)					
	Variety	Fruit Size - Diameter	Fruit Size - Height Shape	Flesh Color	Harvest Date
5	S 6359	8 cm	4 cm Broad oblate	Orange 21C	8/15-8/25 (Central Washington)
10	N.J. F-2	5.5 cm	2.5 cm Broad oblate	White	7/25-8/5 (New Jersey)
15	Burpeachtwo -(USPP 12157)	8 cm	7.5 cm Oblate	Yellow orange 16A-D to red- dish orange 45B	8/1-8/10 (Central California)
	UFO (USPP 13352)	6.3 cm	2.5 cm Flat oval	Yellow	5/20-5/30 (Florida)

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BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 shows a fruit of the new variety;

25 FIG. 2 shows a fruit of the new variety, including the flesh and stone thereof; and

FIG. 3 shows a tree of the new variety.

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DETAILED BOTANICAL DESCRIPTION

The following detailed botanical description is based on observations made during the 2005 growing season at Parker, Wash., of six year old trees grown on Lovell rootstock. All colors are described according to The Royal Horticultural Society Colour Chart. It should be understood that the characteristics described will vary somewhat depending upon cultural practices and climatic conditions, and will vary with location and season. Quantified measurements are expressed as an average of measurements taken 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.

Tree: Habit — spreading; Vigorous; Size — height 4.5 m, width 3 m; Trunk — diameter 20 cm at soil level, texture rough, color greyed-red 178A, over color grey 201D, lenticels inconspicuous; Branches — color brown N199D, green 145A at tip, crotch angle 70°; Heat and cold tolerance — tolerant in area observed (USDA hardiness zone 2).

Dormant one-year-old shoot: Size — diameter 0.3 cm, length 13 cm; Color greyed-purple 183A; Internode length 2 to 2.5 cm; Lenticels inconspicuous; Not pubescent.

Leaves: Size — length 15 cm, width 4.5 cm; Shape lanceolate, margin serrate, texture smooth; Color green 146B; Petiole — length 10 mm, diameter 2 mm, color greyed-orange 173A.

Flowers: Bud — length 1.0 cm, diameter 0.7 cm, shape rounded, color red-purple 59C, tip red-purple 73A; Flower size — diameter 3.5 cm; Petals — 5 per flower, overlapping, length 2 cm, width 1.7 cm, margin smooth,

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color upper surface red-purple 75B, lower surface red-purple N74B; Sepals — 5 per flower, smooth, shape rounded, length 0.4 cm, width 0.4 cm, color red-purple 59B; Pedicel — length 0.3 cm; color yellow-green 154A; Anthers — 30 per flower, length 1 mm; Filament — length 1 cm; Pollen — scarce, color yellow-green 154A; Stigma — length 0.1 cm, color yellow-green 154B; Style — length 1 cm, color red-purple N74B; Ovary — length 0.3 cm, color yellow-green 155C; First bloom March 16, full bloom March 21 (2005 growing season, Parker, Wash.).

Fruit: Size — diameter 8 cm, height 4 cm; Shape — broad obolate, suture pronounced; Eye — oval, 1.0 cm by 0.5 cm; Stalk — length 0.5 cm, color brown N199C, cavity depth 0.5 cm, width 1.0 cm; Skin — finely pubescent, smooth, no tendency to crack, ground color yellow 13C, over color red 39A on 95% of fruit surface in a solid blush pattern; Flesh — fine texture, soft, very juicy, sweet, mild aroma, color yellow-orange 21C with streaks of red 41A; Stone — round to oval, diameter 2 to 2.5 cm, color red 47A, texture ridged, no tendency to split; Freestone; Kernel — heart shaped with rounded sides, length 1 cm, width 1 cm, color yellow 3D with greyed-orange 167C stripe; Pressure — 2.0 to 2.5; Brix — 8.

Market use: Fresh market, will maintain quality in cold storage for 3 to 4 weeks.

Resistance to known diseases: None noted.

It is claimed:

1. We claim a new and distinct peach tree substantially as shown and described herein.

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FIG. 1

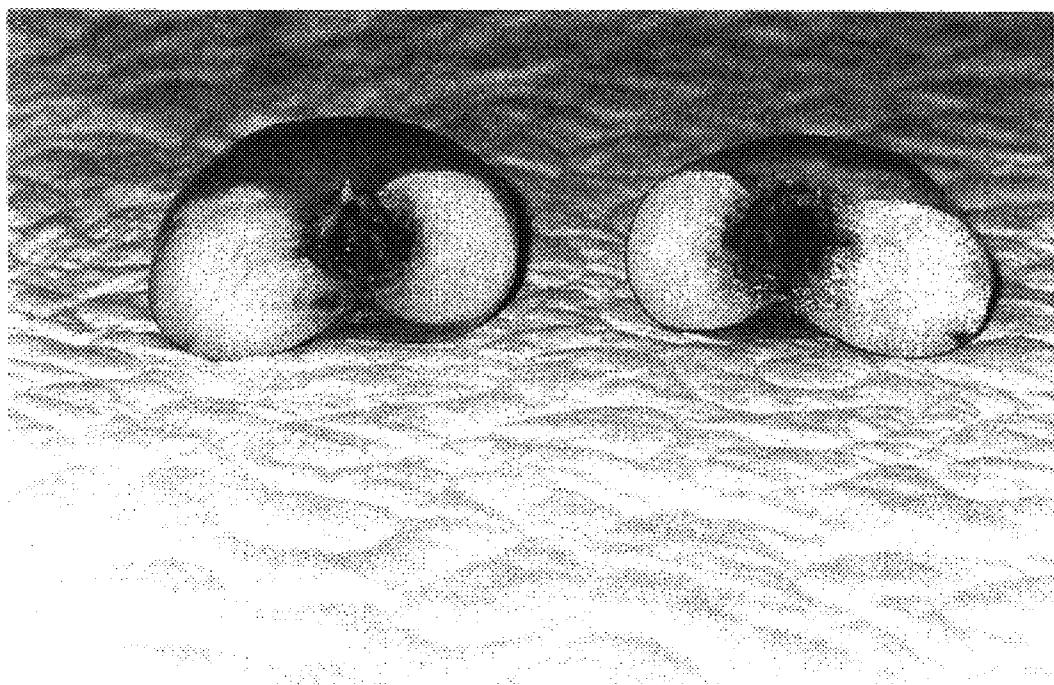


FIG. 2



FIG. 3