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(12) **United States Plant Patent**
Valin(10) **Patent No.:** US PP22,063 P2
(45) **Date of Patent:** Aug. 9, 2011(54) **BUDDLEJA PLANT NAMED 'TOBUDVIOLE'**(50) Latin Name: *Buddleja davidii*
Varietal Denomination: **Tobudviolet**(75) Inventor: **Charles Valin**, Norwich (GB)(73) Assignee: **Thompson and Morgan Ltd.**, Ipswich (GB)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(57) **ABSTRACT**

A new cultivar of *Buddleja* plant named 'Tobudviolet' that is characterized by a compact habit, short internodes, conical flower spikes, small leaves and a long flowering season.

1 Drawing Sheet**1**Botanical classification: *Buddleja davidii*.

Variety denomination: 'Tobudviolet'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Buddleja* plant botanically known as *Buddleja davidii* and hereinafter referred to by the cultivar name 'Tobudviolet'.

'Tobudviolet' originated from open pollination of the female or seed parent a proprietary *Buddleja* identified as BUO3049 (not patented) and an unknown male or pollen parent. The resulting seeds were subsequently planted and grown. The cultivar 'Tobudviolet' was selected by the inventor in the 2004 as a single plant in Harkstead, Ipswich, United Kingdom.

Asexual reproduction of the new cultivar 'Tobudviolet' first occurred by terminal cuttings in 2005 in Harkstead, Ipswich, United Kingdom. Since that time, under careful observation, the unique characteristics of the new cultivar have been uniform, stable and reproduced true to type in successive generations of asexual reproduction.

SUMMARY OF THE INVENTION

The following represent the distinguishing characteristics of the new *Buddleja* cultivar 'Tobudviolet'. These traits in combination distinguish 'Tobudviolet' as a new and distinct cultivar apart from other existing known varieties of *Buddleja*.

1. *Buddleja* 'Tobudviolet' exhibits short internodes.
2. *Buddleja* 'Tobudviolet' exhibits conical flower spikes.
3. *Buddleja* 'Tobudviolet' exhibits a compact habit.
4. *Buddleja* 'Tobudviolet' exhibits small leaves.
5. *Buddleja* 'Tobudviolet' exhibits a long flowering season.

The closest comparison cultivar is *Buddleja* 'Nanho Purple' (not patented).

'Tobudviolet' is distinguishable from 'Nanho Purple' by the following characteristics:

1. 'Tobudviolet' has lighter purple flowers than 'Nanho Purple'.
2. 'Tobudviolet' exhibits earlier flowering.
3. 'Tobudviolet' exhibits a longer flowering season.
4. 'Tobudviolet' has a more compact habit.

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5. 'Tobudviolet' has shorter internodes.

'Tobudviolet' is distinguishable from the female parent BUO3049 by the following characteristics:

1. 'Tobudviolet' has lighter purple flowers than BUO3049.
2. 'Tobudviolet' exhibits a more compact habit.
3. 'Tobudviolet' exhibits a larger number of flowers.

BRIEF DESCRIPTION OF THE DRAWING

10 The accompanying photograph illustrates the distinguishing traits of *Buddleja* 'Tobudviolet'. The plant in the photograph shows an overall view of a 4 month old plant. The photograph was taken using conventional techniques and although colors may appear different from actual colors due to light reflectance it is as accurate as possible by conventional photographic techniques.

BOTANICAL DESCRIPTION OF THE PLANT

20 The following is a detailed description of the new *Buddleja* cultivar named 'Tobudviolet'. Data was collected in Mainz, Germany from 4 month plants grown outdoors in 16 cm. diameter containers. The time of year was Summer and the temperature range was 20-35 degrees Centigrade during the day and 15-25 degrees Centigrade at night. The light level was natural light. No photoperiodic treatments or growth retardants were used. Color determinations are in accordance with The Royal Horticultural Society Colour Chart 2007 edition, except where general color terms of ordinary dictionary significance are used. The growing requirements are similar to the species. 'Tobudviolet' has not been tested under all possible conditions and phenotypic differences may be observed with variations in environmental, climatic, and cultural conditions, however, without any variance in genotype.

30 Botanical classification: *Buddleja davidii* 'Tobudviolet'. Annual or perennial: Perennial.
Parentage: 'Tobudviolet' is the product of the female or seed parent identified as BUO3049 and an unknown male or pollen parent.

40 Plant type: Woody shrub.
Vigor: Moderate.
Growth habit: Upright.
Plant shape: Compact, bushy.

Suitable container size: 14 cm. pots.		<i>Fragrance.</i> —Strong.
Height: 20 to 30 cm. in height.		<i>Flower bud length.</i> —10 mm.
Width: 30 to 40 cm. in width.		<i>Flower bud diameter.</i> —2 mm.
Low temperature tolerance: -20° Centigrade.	5	<i>Flower bud shape.</i> —Tubular.
High temperature tolerance: 45° Centigrade.		<i>Bud color.</i> —N82A.
Propagation: Cuttings or tissue culture.		<i>Rate of bud opening.</i> —2 to 3 days.
Time to initiate roots in Summer: 14 days to initiate roots at 22° Centigrade.		<i>Flower aspect.</i> —Outward.
Time to initiate roots in Winter: 20 days to initiate roots at 20° Centigrade.	10	<i>Flower shape.</i> —Tubular with flaring corolla.
Time to produce a rooted cutting or liner in Summer: 21 days at 22° Centigrade.		<i>Flower dimensions.</i> —8 mm. in diameter and 15 mm. in height.
Time to produce a rooted cutting or liner in Winter: 28 days at 20° Centigrade.	15	<i>Flower longevity.</i> —7 days.
Crop time: Approximately 3 months.		<i>Number of petals.</i> —4.
Root system: Fine and fibrous.		<i>Fused or unfused.</i> —Fused.
Stem:		<i>Petal arrangement.</i> —Cruciform.
<i>Basal branching.</i> —Yes.		<i>Petal Texture.</i> —Smooth both sides.
<i>Average number of lateral branches.</i> —10.	20	<i>Petal shape.</i> —Round.
<i>Pinching.</i> —Yes.		<i>Petal margin.</i> —Undulate.
<i>Lateral branch diameter.</i> —2 mm. in diameter.		<i>Petal apex.</i> —Rounded.
<i>Lateral branch length.</i> —15 cm. in length.		<i>Petal base.</i> —Fused with corolla.
<i>Internode length.</i> —3 cm.		<i>Petal length.</i> —3 mm.
<i>Stem shape.</i> —Round.	25	<i>Petal width.</i> —3 mm.
<i>Stem strength.</i> —Moderate.		<i>Petal color when opening (upper side).</i> —N82B.
<i>Stem color.</i> —195C.		<i>Petal color when opening (under side).</i> —N82C.
<i>Pubescence.</i> —Present.		<i>Petal color fully opened (upper side).</i> —N82B.
Foliage:		<i>Petal color fully opened (under side).</i> —N82C.
<i>Leaf arrangement.</i> —Opposite.	30	<i>Petal color fading to.</i> —N82C.
<i>Compound or single.</i> —Single.		<i>Self-cleaning or persistent.</i> —Persistent.
<i>Number of leaves per lateral branch.</i> —6 to 8.		<i>Sepals:</i>
<i>Leaf shape.</i> —Lanceolate.		<i>Sepal arrangement.</i> —Fused at base.
<i>Leaf apex.</i> —Acuminate.		<i>Number of sepals.</i> —Average 4.
<i>Leaf base.</i> —Acuminate.	35	<i>Sepal shape.</i> —Linear.
<i>Leaf length.</i> —6 cm. in length.		<i>Sepal margin.</i> —Entire.
<i>Leaf width.</i> —1 cm. in width.		<i>Sepal apex.</i> —Acute.
<i>Texture.</i> —Glabrous both surfaces.		<i>Sepal base.</i> —Fused.
<i>Pubescence.</i> —Both sides covered with short hairs.		<i>Sepal dimensions.</i> —2.5 mm. in length and 1 mm. in width.
<i>Leaf margin.</i> —Serrate.	40	<i>Young sepal color (upper side).</i> —138C.
<i>Venation pattern.</i> —Pinnate.		<i>Young sepal color (under side).</i> —138C.
<i>Young leaf color (upper surface).</i> —137B.		<i>Mature sepal color (upper side).</i> —138C.
<i>Young leaf color (lower surface).</i> —138D.		<i>Mature sepal color (under side).</i> —138C.
<i>Mature leaf color (upper surface).</i> —N137A.		<i>Calyx:</i>
<i>Mature leaf color (lower surface).</i> —138C.	45	<i>Calyx shape.</i> —Lyriform.
<i>Vein color (upper surface).</i> —138C.		<i>Calyx dimensions.</i> —2.5 mm. in length and 2 mm. in diameter.
<i>Vein color (under surface).</i> —138C.		<i>Peduncle:</i>
<i>Leaf attachment.</i> —Petiolate.		<i>Peduncle dimensions.</i> —2 mm. in length and 1 mm. in diameter.
<i>Petiole dimensions.</i> —2 mm. in length, and 1 mm. in diameter.	50	<i>Peduncle angle.</i> —20 degrees from stem.
<i>Petiole color.</i> —138C.		<i>Peduncle strength.</i> —Strong.
<i>Durability of foliage to stress.</i> —Strong.		<i>Peduncle color.</i> —138C.
Flower:		<i>Reproduction organs:</i>
<i>Inflorescence arrangement.</i> —Terminal and lateral verticillasters.	55	<i>Stamen number.</i> —4.
<i>Inflorescence dimensions.</i> —8 to 12 cm. in length and 3 cm. in width.		<i>Anther shape.</i> —Ovate.
<i>Quantity of flowers per inflorescence.</i> —Over 100.		<i>Anther size.</i> —1.0 mm.
<i>Flower type.</i> —Salverform.		<i>Anther color.</i> —155C.
<i>Quantity of flowers per lateral stem.</i> —8 to 10.	60	<i>Amount of pollen.</i> —Moderate.
<i>Quantity of flower buds per lateral stem.</i> —2 to 3.		<i>Pollen color.</i> —155C.
<i>Quantity of flowers and buds per plant.</i> —5,000 to 10,000.		<i>Pistil number.</i> —1.
<i>Natural flowering season.</i> —June to November.		<i>Pistil length.</i> —2.0 mm.
<i>Time to flower.</i> —8 weeks.	65	<i>Stigma shape.</i> —Ovate.
<i>Rate of flower opening.</i> —Daily.		<i>Stigma color.</i> —138D.
		<i>Style length.</i> —2 mm.
		<i>Style color.</i> —138D.
		<i>Ovary color.</i> —138D.

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Fruit:

Seed dimensions.—0.4 mm. in length and 0.2 mm. in diameter.

Disease and pest resistance: Disease and pest resistance has not been observed.

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The invention claimed is:

1. A new and distinct variety of *Buddleja* plant named 'Tobudviolet' as described and illustrated.

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