



US00PP12347P2

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

(10) **Patent No.:** **US PP12,347 P2**

(45) **Date of Patent:** **Jan. 8, 2002**

(54) **NEW GUINEA IMPATIENS PLANT NAMED
'TAMAR CHERRY'**

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(*) **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.:** **09/712,346**

(22) **Filed:** **Nov. 15, 2000**

(51) **Int. Cl.⁷** **A01H 5/00**

(52) **U.S. Cl.** **Plt./318**

(58) **Field of Search** **Plt./318**

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(57) **ABSTRACT**

A new and distinct cultivar of New Guinea Impatiens plant
named 'Tamar Cherry', characterized by its large, rich
purple red-colored flowers; freely flowering habit with flow-
ers positioned above or beyond the foliage; upright, some-
what outwardly spreading, rounded, uniform and compact
plant habit; freely branching growth habit; and dark green
leaves.

1 Drawing Sheet

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BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct culti-
var of New Guinea Impatiens plant, botanically known as
Impatiens hawkeri, and hereinafter referred to by the cultivar
name Tamar Cherry.

The new Impatiens is a product of a planned breeding
program Inventor in Maasland, The Netherlands. The objec-
tive of the breeding program is to develop new Impatiens
cultivars with uniform plant habit and attractive flower and
foliage colors.

The new Impatiens originated from a cross made by the
Inventor in 1994 of the *Impatiens hawkeri* cultivar Martin-
ique, disclosed in U.S. Plant Pat. No. 9,149, as the male, or
pollen parent, with the *Impatiens hawkeri* cultivar Prepona,
disclosed in U.S. Plant Pat. No. 9,150, as the female, or seed
parent. The cultivar Tamar Cherry was discovered and
selected by the Inventor as a flowering plant within the
progeny of the stated cross in a controlled environment in
Maasland, The Netherlands in 1995.

Asexual reproduction of the new cultivar by terminal
cuttings taken at Maasland, The Netherlands, has shown that
the unique features of this new Impatiens are stable and
reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and
are determined to be the unique characteristics of 'Tamar
Cherry'. These characteristics in combination distinguish
'Tamar Cherry' as a new and distinct Impatiens cultivar:

1. Large, rich purple red-colored flowers.
2. Freely flowering habit with flowers positioned above or
beyond the foliage.
3. Upright, somewhat outwardly spreading, rounded, uni-
form and compact plant habit.
4. Freely branching growth habit.
5. Dark green leaves.

In side-by-side comparisons conducted by the Inventor in
Maasland, The Netherlands, plants of the new Impatiens
differ from plants of the male parent, the cultivar Martinique,
in the following characteristics:

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1. Plants of the new Impatiens flower earlier than plants
of the cultivar Martinique.

2. Plants of the new Impatiens display flowers above and
beyond the foliage whereas plants of the cultivar Martinique
display flowers within the leaf canopy.

3. Flower color of plants of the new Impatiens is lighter
than flower color of plants of the cultivar Martinique.

In side-by-side comparisons conducted by the Inventor in
Maasland, The Netherlands, plants of the new Impatiens
differ from plants of the female parent, the cultivar Prepona,
in the following characteristics:

1. Plants of the new Impatiens are more uniform in growth
habit than plants of the cultivar Prepona.

2. Plants of the new Impatiens display flowers above and
beyond the foliage whereas plants of the cultivar Prepona
display flowers mostly within the leaf canopy.

3. Flower color of plants of the new Impatiens is more
purple and not as red as flower color of plants of the cultivar
Prepona.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the
overall appearance of the new cultivar, showing the colors as
true as it is reasonably possible to obtain in colored repro-
ductions of this type. Colors in the photograph may differ
slightly from the color values cited in the detailed botanical
description which accurately describe the actual colors of
the new Impatiens. The photograph comprises a top per-
spective view of a typical flowering plant of 'Tamar Cherry'
grown in a 12.5-cm container.

DETAILED BOTANICAL DESCRIPTION

The cultivar Tamar Cherry has not been observed under
all possible environmental conditions. The phenotype may
vary somewhat with variations in environment such as
temperature, light intensity, water status and fertility level,
without, however, and variance in genotype. The following
observations and measurements describe plants grown in
Maasland, The Netherlands, during the early autumn, under
commercial practice in a glass-covered greenhouse. Plants

used in the following description were about 10 to 12 weeks old from planting rooted cuttings and grown in 12.5-cm containers with one plant per container.

In the following description, color references are made to The Royal Horticultural Society Colour Chart except where general terms of ordinary dictionary significance are used.

Botanical classification: *Impatiens hawkeri* cultivar Tamar Cherry.

Commercial classification: New Guinea *Impatiens* cultivar Tamar Cherry.

Parentage:

Male parent.—*Impatiens hawkeri* cultivar Martinique, disclosed in U.S. Plant Pat. No. 9,149.

Female parent.—*Impatiens hawkeri* cultivar Prepona, disclosed in U.S. Plant Pat. No. 9,150.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—Summer: About 5 to 7 days at 19 to 20° C. Winter: About 6 to 8 days at 19 to 20° C.

Time to produce a rooted cutting or liner.—Summer: About 14 to 19 days at 19 to 20° C. Winter: About 14 to 21 days at 19 to 20° C.

Root description.—Numerous, fibrous, and freely branching.

Plant description:

General appearance.—Upright, somewhat outwardly spreading, rounded, uniform and compact plant habit. Appropriate for 10 to 25-cm containers; multiple plants are typically planted in larger containers.

Growth and branching habit.—Freely branching with about 7 lateral branches at the base. Pinching, that is, removal of the terminal apices, is typically not required. Moderately vigorous.

Crop time.—From a rooted cutting, about 10 to 12 weeks are required to produce finished flowering plants in 12.5-cm containers.

Plant height.—About 16.5 cm.

Plant diameter.—About 31 cm.

Lateral branches.—Length: About 15 cm. Diameter: About 8 mm. Internode length (lower internodes): About 4.7 cm. Color: Close to 59A.

Foliage description.—Arrangement: Opposite or whorled. Length: About 9.6 cm. Width: About 3.5 cm. Shape: Elliptic. Apex: Acute to acuminate. Base: Attenuate. Margin: Serrulate with ciliation. Texture: Leathery; upper surface, pubescent; lower surface, pubescence on veins. Aspect: Somewhat arching. Color: Young foliage, upper surface: Close to 147A. Young foliage, lower surface: Close to 147B. Fully expanded foliage, upper surface: Darker than 147A. Fully expanded foliage, lower surface: Close to 147B. Midvein, upper surface: Light green, 147C, becoming dark red, 53A, with development. Midvein, lower surface: 53A. Petiole: Length: About 2.5 cm. Diameter: About 3 mm. Color: 53A.

Flower description:

Flower type and flowering habit.—Single rich purple red flowers. Freely flowering, usually about 8 flowers and flower buds per lateral branch. Flowers positioned above and beyond the foliage and typically face upward or outward. Flowers cupped when opening then mostly flat when opened. Flowers roughly rectangular in shape. Flowers last about 7 to 14 days on the plant depending on temperature and weather conditions. Petals self-cleaning; gynoecium persistent. Flowers not fragrant.

Flowering season.—Year-round under greenhouse conditions. In the garden, flowering from spring until fall.

Flower length.—About 6 cm.

Flower width.—About 5.6 cm.

Flower depth.—About 1.3 cm.

Flower buds (just before opening).—Rate of opening: From showing color to fully open flower, typically about 2 to 3 days depending on temperature. Length: About 1.7 cm. Diameter: About 1 cm. Shape: Ovoid. Color: Darker than 57A.

Petals.—Quantity: Single, five per flower. Length: Banner petal: About 2.7 cm. Lateral petals: About 2.9 cm. Base petals: About 3.6 cm. Width: Banner petal: About 4.1 cm. Lateral petals: About 3.2 cm. Base petals: About 3.4 cm. Shape: Roughly cordate. Apex: Emarginate. Base: Attenuate. Margin: Entire. Texture: Smooth; velvety. Color: When opening, upper surface: Darker than 57A. When opening, lower surface: Close to 57A. Fully opened, upper surface: Darker and richer than 57A; color does not fade with subsequent development. Fully opened, lower surface: Close to 57A.

Spur.—Length: About 5.7 cm. Diameter: About 2 mm at flower; apex, about 1 mm. Color: 59A to 59B.

Peduncles.—Length: About 5.3 cm. Diameter: About 2 mm. Strength: Strong, flexible. Aspect: Mostly upright. Color: 59A to 59B.

Reproductive organs.—Androecium: Stamen number: Five fused at anthers, filaments free. Anther shape: Obovate. Anther size: About 5 mm by 2 mm. Anther color: Apex, 11D; base, close to 53A. Amount of pollen: Moderate. Pollen color: 11C. Gynoecium: Pistil length: About 3.5 mm. Stigma color: 11C. Style color: 144C. Ovary color: 144C.

Seed development.—Seed development has not been observed.

Disease resistance: Plants of the new *Impatiens* has not been observed to be resistant to pathogens common to *Impatiens*.

It is claimed:

1. A new and distinct cultivar of New Guinea *Impatiens* plant named 'Tamar Cherry', as illustrated and described.

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