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Cosner et al.

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(54) **IMPATIENS PLANT NAMED 'TILIP'**

OTHER PUBLICATIONS

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UPOV ROM GTITM Computer Database, GTI JOUVE
Retrieval software, 2001/02, citation for 'TiLip'.*

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

* cited by examiner

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(58) **Field of Search** **Plt./317**

(57) **ABSTRACT**

A new and distinct cultivar of '*Impatiens walleriana*' plant
named 'TiLip,' characterized by large light pink fully double
flowers, flowers that are positioned above or beyond the
foliage, good heat tolerance, dark green foliage and
mounded, freely branching and dense plant habit.

(56) **References Cited**

U.S. PATENT DOCUMENTS

PP9,616 P * 7/1996 Leue Plt./317

1 Drawing Sheet

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BACKGROUND—FIELD OF INVENTION

The present invention relates to a new and distinct cultivar
botanically known as '*Impatiens walleriana*,' and by the
cultivar name 'TiLip'.

The cultivar of the photograph was developed and
selected in a controlled breeding program in a controlled
environment in Coquille, Oreg. by the inventors, Harlan
Cosner and Sue Cosner, as described herein.

**BACKGROUND—DESCRIPTION OF THE
PRIOR ART**

The closest known cultivar of prior art is named 'Pink
Ruffles,' subject of U.S. Plant Pat. No. 9,616.

COMPARISON

The impatiens plant of the present invention differs from
prior plants, namely 'Pink Ruffles' in at least the following
ways:

1. The plant of the present invention has been shown to be
more compact than 'Pink Ruffles;'

2. The plant of the present invention has been shown to
have shorter internodes than those of 'Pink Ruffles;'

3. The present cultivars have also been shown to have
stronger peduncles and pedicels than 'Pink Ruffles;'

4. The plant of the present invention has been shown to be
more rain tolerant than 'Pink Ruffles;' and

5. the flowers of the present invention have been shown
to have lighter colored flowers than 'Pink Ruffles'.

These and other characteristics will be apparent to persons
skilled in the art.

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**BACKGROUND—DISCOVERY AND
PARENTAGE**

The present cultivar was developed by standard cross-
pollination. Its seed parent is a semi-double impatiens plant
with salmon flowers. This plant was designated 'B-9X-4726'
(unpatented) in the inventors' controlled breeding program.
The pollen parent is a semi-double impatiens plant with
white flowers. This plant was designated 'B-9X-113'
(unpatented) in the inventors' controlled breeding program.
The cross was made in the inventors' controlled breeding
program, and the first asexual reproduction was made at
Broadbent, Oreg. Successive asexually reproduced genera-
tions have shown the present invention to be stable. Each
asexually reproduced generation has been accomplished
using cuttings of lateral stems with leaves.

The traits of the cultivar of the present invention that have
been observed in each successive generation of asexual
reproduction and which are unique are the large light pink
fully double flowers, flowers that are positioned above or
beyond the foliage, good heat tolerance, dark green foliage
and mounded, freely branching and dense plant habit.

Color references are according to The Royal Horticultural
Society Colour Chart, except where general terms of ordi-
nary dictionary significance are used.

DETAILED DESCRIPTION

The following observations, measurements and descrip-
tion of the plants and flowers are based on the environmental
and cultural practices at Coquille, Oreg. The following
measurements, values and comparisons describe plants
grown under a double layer of polyethylene film with
temperatures typically ranging from about 55° F. to about
85° F. during the daytime. Night heat was provided by bench
top set at 62° F. The individual plants were grown in six-inch

Azalea containers in a soilless medium. Plants were liquid fed with high nitrate plus trace elements applied at N level 150 PPM of 2 feed, one leach. Plants started in the last week of June and finished in late September. Light levels were from 4,000 to 6,000 ft. candles.

The plant of the present invention has not been observed in all possible environmental and/or cultural conditions. The phenotype may vary significantly with variations in environment such as temperature, light level, humidity and also with cultural practices such as fertility, soil and water quality.

The accompanying photograph illustrates the overall appearance and the flower color of the cultivar of the present invention described herein. There may be variations between the colors in the photograph and the colors in the following description due to light reflectance, or the amount of blue or red light captured in the film. If such variations occur, the written description shall control.

Parentage: The new cultivar was developed by standard cross-pollination. As noted above, its seed parent was a semi-double with salmon flowers; its pollen parent was a semi-double with white-colored flowers.

Propagation:

Type cutting.—Lateral stems with leaves were the cuttings used for asexual reproduction.

Time to initiate roots.—Approximately 7 to 14 days at 72° F. soil temperature.

Appearance and form of plant:

Plant form and habit.—Mounded and upright vase, with a medium vigorous, dense and bushy growing habit. A free-branching habit.

Plant size.—Height is about 22 cm and width is about 35 cm.

Rooting description.—The rooting description is characterized by numerous, fibrous and well-branched roots.

Branching habit.—Plants are self-branching. Stems are strong and freely produced. The number of stems depends upon cultural practices, age of stems used as cuttings and the number of growth buds present on the cutting when stuck.

Stems.—Diameter is about 0.5 cm. Internode length is about 2.5 cm. Color is close to 146B marked with darker spots close to 178A.

Foliage.—Leaves are simple, generally symmetrical, abundant, alternate and flat. Shape is ovate with attenuate base, acuminate apex, and crenate margin. Texture is smooth and satiny.

Foliage size.—Size of the largest leaves is about 5 cm in length, and 4.5 cm in width.

Foliage color.—Adaxial color is darker than 146A, venation color 146A; abaxial color is 146B with venation color 146A.

Petioles.—Petiole shape is half round with a flat upper surface measuring about 2 mm wide, about 1.5 mm in depth, and about 2 cm in length. Color on the top is 146C with tiny hard to determine markings due to their small size which appear close to 178A. Color on bottom surface is 146D.

Flower size.—Largest flowers have a diameter of about 5 cm, and depth of about 1.5 cm.

Flower texture.—The flower texture is smooth and satiny.

Flower count.—Flowers per stem usually number about 12 per branch from visible buds to open flowers at any time during the flowering period.

Natural flowering season.—Year around under greenhouse conditions, and the frost-free period from spring through fall outdoors. Flowers are continuously produced throughout the flowering season.

Duration of flower.—About four to seven days.

Time to flower.—About six weeks from a rooted cutting.

Buds.—Ovate shape with length of about 1.2 cm, width of about 0.8 cm and depth of about 1 cm. Color of top is 145A and bottom color is 145B.

Petal size and shape.—Shape is obovate to exaggerated obovate, attenuate to cuneate base, entire margin, obtuse to retuse apex. Usually two petals fused at base comprise the largest petals, each being about 1.8 cm wide and 2.3 cm long.

Petal color.—Adaxial is 62B to 62C with darker veining close to 62A and adaxial base close to 67B. Abaxial color is 65C.

Petal count.—Numerous, usually 25 or more.

Spur.—Shape is acicular tapering tube, usually curved. Color at apex is 177C and 194B at base with markings of 178B. Length is about 3 cm and width is about 2 mm.

Calyx.—The calyx consists of a single sepal. The sepal shape is ovate with truncate to cordate base, and acuminate apex, entire margin. Length is about 1.2 cm and width is about 0.8 cm. Adaxial color is 142D with a base spot close to 66C; abaxial color is 142C.

Peduncles.—Length is about 2 cm and diameter is about 2 mm. Color is 146B with hard to determine reddish markings appearing close to 178B.

Pedicels.—Length is about 1.8 cm and diameter is about 1 mm, generally numbering from 2 or 3 per peduncle, color is 146C with tiny markings the color of which is hard to determine due to their small size but which appear close to 178A.

Reproductive organs.—The plants of the new cultivar are both male and female sterile. No reproductive organs have been found to exist.

Disease resistance.—The instant plant has shown to have good resistance to botrytis.

Rooting ability.—Easy, no hormones needed.

Cold/heat resistance.—This cultivar has flowered continuously in temperatures of 85° F. to 95° F.

Dampness resistance.—The peduncles of 'Pink Ruffles' are weaker than the peduncles of the instant plant. In the rain, the flowers of 'Pink Ruffles' droop, or hang down much more than the flowers of the instant plant. This comparison was made at Broadbent Oreg.

What is claimed:

1. A new and distinct cultivar of '*Impatiens walleriana*' plant, as illustrated and as described herein.

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