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

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(54) **DOUBLE IMPATIENS PLANT NAMED**
'BALFIEDEOR'

OTHER PUBLICATIONS

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(US)

UPOV ROM GTITM Computer Database, GTI JOUVE
retrieval softwave 2002/02, citations for Balfiedeor.*

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* cited by examiner

(*) 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**

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(51) **Int. Cl.**⁷ **A01H 5/00**

(52) **U.S. Cl.** **Plt./317**

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

A new and distinct cultivar of Double Impatiens plant named
'Balfiedeor', characterized by its compact, upright, out-
wardly spreading and mounted plant habit, freely branching
growth habit; dark green-colored leaves; freely flowering
habit; and dark orange-colored flowers that are fully double
and positioned above the foliage.

(56) **References Cited**

U.S. PATENT DOCUMENTS

PP11,847 P2 * 4/2001 Leue Plt./317

1 Drawing Sheet

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2

BOTANICAL CLASSIFICATION/CULTIVAR
DESIGNATION

Impatiens walleriana cultivar Balfiedeor.

SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and
are determined to be the unique characteristics of
'Balfiedeor'. These characteristics in combination distin-
guish 'Balfiedeor' as a new and distinct cultivar:

BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct culti-
var of Double Impatiens plant, botanically known as *Impa-*
tians walleriana, and hereinafter referred to by the name
'Balfiedeor'.

1. Compact, upright, outwardly spreading and mounded
plant habit.
2. Freely branching growth habit.
3. Dark green-colored leaves.
4. Freely flowering habit.
5. Dark orange-colored flowers that are fully double and
positioned above the foliage.

The new Impatiens is a product of a planned breeding
program conducted by the Inventor in Elburn, Ill. The
objective of the breeding program was to develop new
compact Double Impatiens cultivars with fully double
flowers, freely branching growth habit, and attractive flower
and foliage coloration.

Plants of the new Impatiens differ primarily from plants of
the parent selections in flower color.

The new Impatiens originated from a cross-pollination
made by the Inventor in December, 1998, of a proprietary
Impatiens walleriana selection identified as 3029-1-1-1, not
patented, as the female, or seed parent, with a proprietary
Impatiens walleriana selection identified as 322D, not
patented, as the male, or pollen parent. The cultivar
Balfiedeor was discovered and selected by the Inventor as a
flowering plant within the progeny of the stated cross-
pollination in a controlled environment in Elburn, Ill.

The new Impatiens can be compared to the *Impatiens*
walleriana cultivar Balfieorce, disclosed in U.S. Plant Pat.
No. 11,847. However, in side-by-side comparisons con-
ducted in West Chicago, Ill., plants of the new Impatiens
differed from plants of the cultivar Balfieorce in the follow-
ing characteristics:

- 1 Plants of the new Impatiens had darker-green colored
leaves than plants of the cultivar Balfieorce.
2. Flower color of plants of the new Impatiens was darker
orange than flower color of plants of the cultivar
Balfieorce.

Asexual reproduction of the new cultivar by terminal
cuttings taken at Elburn, since January, 1999, has shown that
the unique features of this new Impatiens are stable and
reproduced true to type in successive generations of asexual
reproduction.

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 differ slightly
from the color values cited in the detailed botanical descrip-

tion which accurately describe the colors of the new Impatiens. The photograph comprises a side perspective view of multiple flowering plants of 'Balfiedeor' in a container.

DETAILED BOTANICAL DESCRIPTION

The cultivar Balfiedeor has not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature and light intensity without, however, any variance in genotype. The aforementioned photograph and following observations and measurements describe plants grown in West Chicago, Ill., under commercial practice in a polycarbonate-covered greenhouse with day temperatures ranging from 20 to 24° C., night temperatures ranging from 10 to 17° C. and light levels ranging from 4,000 to 6,000 footcandles. Rooted young plants were planted in containers and had been growing for about five to six weeks when the photographs and the description were taken.

In the following description, color references are made to The Royal Horticultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Impatiens walleriana* cultivar Balfiedeor.

Parentage:

Female parent.—Proprietary *Impatiens walleriana* selection identified as 3029-1-1-1, not patented.

Male parent.—Proprietary *Impatiens walleriana* selection identified as 332D, not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—About 7 days at 18° C.

Time to produce a rooted young plant.—About 21 days at 18° C.

Root description.—Fibrous and fine.

Rooting habit.—Freely branching.

Plant description:

General appearance.—Compact, upright, outwardly spreading and mounded plant habit. Appropriate for 10-cm and larger containers.

Growth and branching habit.—Vigorous and freely-branching growth habit with about three basal branches and lateral branches potentially forming at every node; dense and bushy growth. Pinching, that is, removal of the terminal apices, is not required, but will enhance branching.

Plant height.—About 11.1 cm.

Plant diameter or spread.—About 28.2 cm.

Lateral branches.—Length: About 13.2 cm. Diameter: About 1 cm. Internode length: About 2.9 cm. Texture: Smooth, glabrous. Color: 144C; random dark red purple, 59A, spots and streaks near the nodes.

Foliage description.—Arrangement: Opposite, simple. Length: About 4 cm. Width: About 2.6 cm. Shape: Ovate. Apex: Acuminate. Base: Attenuate. Margin:

Serrate to crenate with ciliation. Texture, upper and lower surfaces: Smooth, glabrous. Venation pattern: Pinnate, arcuate. Color: Young and fully expanded foliage, upper surface: 139A. Young and fully expanded foliage, lower surface: 139C; random dulled purple, 183A, spots. Venation, upper and lower surfaces: 143A. Petiole: Length: About 1.3 cm. Diameter: About 2 mm. Texture, upper and lower surfaces: Smooth, glabrous. Color: 142C; random red purple, 71A, spots.

Flower description:

Flower type and habit.—Numerous and consistently double flowers. Flower buds open similar to a rose in fullness; flowers rounded in shape. Flowers arise from leaf axils. Freely flowering, usually about five flowers and flower buds per lateral branch. Flowers positioned above the foliage and typically face upright or outward. Flowers last about five to seven days under greenhouse conditions. Flowers not persistent. Flowers not fragrant.

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

Flower size.—Diameter: About 4.1 cm. Depth: About 2.4 cm.

Flower buds (at stage of showing color).—Length: About 1.3 cm. Diameter: About 1.1 cm. Shape: Ovoid. Color: 44D.

Petals.—Quantity/arrangement: About 30 per flower; imbricate. Length, largest petals: About 2.2 cm. Width, largest petals: About 1.9 cm. Shape: Obovate. Apex: Emarginate. Base: Truncate to attenuate. Margin: Entire. Texture, upper and lower surfaces: Velvety, smooth. Color: When opening and fully opened, upper surface: 34A; becoming closer to 43A with subsequent development. When opening and fully opened, lower surface: 41B.

Sepals.—Quantity/arrangement: Five in a single whorl; one modified into an elongated spur. Calyx length: About 1 cm. Calyx diameter: About 1 cm. Shape: Elliptic. Apex: Acute. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: 144C. Spur length: About 2.5 cm. Spur color: 144C; towards the apex, 183A.

Peduncles.—Length: About 1.9 cm. Diameter: About 1.25 mm. Angle: Acute. Strength: Strong. Color: 144C.

Reproductive organs.—None observed.

Seed/fruit.—None observed.

Disease/pest resistance: Plants of the new *Impatiens* have not been observed to be resistant to pathogens and pests common to *Impatiens*.

It is claimed:

1. A new and distinct cultivar of Double *Impatiens* plant named 'Balfiedeor', as illustrated and described.

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