



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

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(54) **NEW GUINEA *IMPATIENS* PLANT NAMED
'IMGZ0006'**

(50) Latin Name: *Impatiens hawkeri*
Varietal Denomination: **IMGZ0006**

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patent is extended or adjusted under 35
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(52) **U.S. Cl.** **Plt./318.3**; Plt./318.1

(58) **Field of Classification Search** Plt./318.1,
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See application file for complete search history.

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(57) **ABSTRACT**

A new New Guinea *Impatiens* plant named 'IMGZ0006'
particularly distinguished by the has very large, flat flowers of
brilliant orange-red color with a large white to very light red
central blotch and a distinct red-purple eye, deep green glossy
foliage with deep red veining, and a taller plant habit.

1 Drawing Sheet

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Latin name of the genus and species of the plant claimed:
Impatiens hawkeri.

Varietal denomination: 'IMGZ0006'.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new New Guinea *Impa-*
tiens, botanically known as *Impatiens hawkeri*, and hereinafter
referred to by the variety name 'IMGZ0006'.

'IMGZ0006' is a product of a planned breeding program.
The new cultivar has very large, flat flowers of brilliant
orange-red color with a large white to very light red central
blotch and a distinct red-purple eye, deep green glossy foliage
with deep red veining, and a taller plant habit.

'IMGZ0006' originated from a hybridization made in the
June 2005 in a controlled breeding environment in Hillscheid,
Germany.

The female parent was the commercial, unpatented variety
'Paradise Amoya' with a more salmon and white color, a
smaller size flower and is earlier to flower.

The male parent of 'IMGZ0006' was a proprietary, unpat-
ented plant designated 'K05-5618-1' with light pink flower
color, smaller flower size and lighter colored foliage.

The resultant seed was sown in November 2005 in a green-
house in Moncarapacho, Portugal, and 'IMGZ0006' was
selected there as one flowering plant within the progeny of the
stated cross in the spring of 2006.

The first act of asexual reproduction of 'IMGZ0006' was
accomplished when vegetative cuttings were propagated
from the initial selection in June 2006 in a controlled envi-
ronment in Moncarapacho, Portugal.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings of
the plant initiated in March 2007 in Hillscheid, Germany and
continuing thereafter, has demonstrated that the combination
of characteristics as herein disclosed for 'IMGZ0006' are
firmly fixed and are retained through successive generations
of asexual reproduction.

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'IMGZ0006' has not been observed under all possible
environmental conditions. The phenotype may vary signifi-
cantly with variations in environment such as temperature,
light intensity and day length.

A Plant Breeder's Right for this cultivar was applied for in
Canada on Dec. 24, 2010, #10-7140. 'IMGZ0006' has not
been made publicly available more than one year prior to the
filing of this application.

The following traits have been repeatedly observed and are
determined to be basic characteristics of the new variety. The
combination of these characteristics distinguishes this *Impa-*
tiens as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographic drawing shows typical
flower and foliage characteristics of 'IMGZ0006' with colors
being as true as possible with an illustration of this type. The
photographic drawing shows a flowering plant of the new
variety growing in 4.5 inch pot and a close-up of the flowers.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs were taken in the end of
March 2011 from plants grown in a greenhouse trial in Gilroy,
Calif. USA. These plants were growing in 4.5 inch pots and
were approximately 8-9 weeks of age.

The plant descriptions and measurements were taken in
mid May 2011 on eleven week old plants growing in a green-
house in Andijk, The Netherlands. Cuttings were stuck in
early February for rooting, planted into 12 cm pots in late
February, and were grown, without pinching, on benches in a
greenhouse, initially at a temperature of 20° C.

Color references are made to The Royal Horticultural Soci-
ety Colour Chart (R.H.S.) 2001.

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'IMGZ0006' AND A SIMILAR VARIETY		
	'IMGZ0006'	'ORANGE NEPTIS' (EU Plant Breeders Right Under 'Kinepor' #EU7312)
Flower color:	More salmon-orange	Deeper orange, more brilliant
Flower eye color:	Distinct	Very weak
Flower size (width):	8.3-9.2 cm	6.8-7.1 cm
Foliage color:	Dark green	Medium green
Leaf shape:	Narrow	Wider

Plant:

Form, growth and habit.—Initially medium sized, becoming taller during the summer, mounded, with a medium number of branches.

Plant height.—17.0 cm.

Plant height (inflorescence included).—18.0-20.0 cm.

Plant width.—27.0-29.0 cm.

Roots:

Number of days to initiate roots.—7 days at about 22 degrees C.

Number of days to produce a rooted cutting.—15-18 days at 22 degrees C.

Type.—Fine, fibrous, free branching.

Color.—RHS 159D.

Foliage:

Arrangement.—Simple leaves, mainly in whorls.

Young leaf, color upper surface.—RHS 137C.

Young leaf, color lower surface.—Closest RHS 184A.

Mature leaf, color upper surface.—RHS 137B.

Mature leaf, color lower surface.—Closest to RHS 184B.

Length.—11.0-13.5 cm.

Width.—3.3-3.5 cm.

Shape.—Elliptical, relatively narrow.

Base shape.—Acute.

Apex shape.—Acuminate.

Margin.—Serrulate, with short bristles.

Texture.—Slightly waxy and glossy on the upper surface, glabrous on both surfaces.

Color of veins, upper surface.—RHS 53A.

Color of veins, lower surface.—RHS 185A.

Petiole color, upper side.—RHS 53B.

Petiole color, lower side.—RHS 185B.

Length.—Approximately 1-2 cm.

Diameter.—0.3 cm.

Texture.—Glabrous.

Stem:

Color of stem.—RHS 185A.

Length of stem.—About 9-13 cm.

Diameter.—0.6-0.8 cm.

Length of internodes.—Approximately 3-5 cm.

Texture.—Smooth, glabrous.

Number of branches.—9-11.

Color of peduncle.—RHS 185A.

Length of peduncle.—6.0-6.5 cm.

Peduncle diameter.—0.2 cm.

Texture.—Glabrous.

Inflorescence:

Blooming habit.—Continuous flowering from spring through fall.

Type of inflorescence.—Solitary flowers emerge from the upper leaf nodes of the stem.

Number of flowers per node.—1-3 open flowers and additional buds in various stages of development.

Quantity of flowers per plant.—2-4 open flowers plus 6-10 buds.

Lastingness of individual blooms on the plant.—About 6-9 days.

Fragrance.—None.

Bud (just before opening):

Color.—RHS 43A.

Length.—Up to 3.1 cm.

Width.—Up to 1.8 cm.

Shape.—Ovate.

Immature flowers:

Color of petals, upper surface.—RHS 41A.

Color of petals, lower surface.—RHS 43C.

Mature flowers:

Flower, vertical length.—8.8-9.5 cm.

Flower, horizontal width.—8.3-9.2 cm.

Flower depth.—1.5-2.0 cm.

Color of petals, upper surface.—RHS 33A to RHS 33B; with a large central blotch of mainly RHS N155D and sometimes RHS 49A to RHS 49D; and a basal eye zone of RHS N57B.

Color of petals, lower surface.—RHS 41B.

Petal shape.—Nearly round to somewhat zygomorphic.

Petla apex shape.—Rounded or broadly obcordate.

Petal margin.—Entire.

Petal texture, upper surface.—Papillose.

Lower surface.—Papillose.

Calyx:

Arrangement.—One large sepal bearing the spur, 2 small, lateral sepals, and 1 fused keel.

Large sepal(s) Color, visible/lower surface.—RHS 50C.

Length.—2.6 cm.

Width.—1.7 cm.

Shape.—Ovate to elliptical.

Apex shape.—Acuminate.

Base.—Fused.

Margins.—Entire.

Texture, upper surface.—Papillose.

Texture, lower surface.—Papillose.

Lateral sepals Color of surface.—RHS 166B.

Length.—1.9-2.2 cm.

Width.—0.6-0.7 cm.

Shape.—Lanceolate.

Apex shape.—Acute.

Base.—Fused.

Margins.—Entire.

Texture, upper surface.—Glabrous.

Lower surface.—Glabrous.

Keel color.—From RHS 46A to more brownish tones, closest to RHS 185A.

Length of keel.—About 3.0 cm.

Spur:

Color.—RHS 53B mainly, RHS 53A at the tip.

Length.—5.2-5.5 cm.

Diameter.—0.3 cm at the base, 0.05 cm at tip.

Reproductive organs androecium: 5 stamen, fused with the anthers hooded, and surrounding the young gynoecium.

Shape.—Roughly ovoid.

Length of androeceum.—0.7 cm.

Width of androeceum.—0.5 cm.

Surface color.—RHS N57B, fading towards margin.

Pollen amount.—Plenty.

Color of pollen.—RHS 8D.

Gynoecium:
 Pistil.—One, elongate.
 Pistil length.—0.6 cm.
 Style and stigma, total length.—0.2 cm.
 Style color.—RHS 53C.
 Stigma color.—RHS 53C.
 Ovary color.—RHS 183A.
 Fertility/seed set.—Has not been observed on this
 hybrid.

Disease/pest resistance.—Has not been observed on this
hybrid.

What is claimed is:

1. A new and distinct variety of New Guinea *Impatiens*
5 plant named ‘IMGZ0006’ substantially as illustrated and
described herein.

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