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**(12) United States Plant Patent  
Stemkens****(10) Patent No.: US PP18,548 P3****(45) Date of Patent: Mar. 4, 2008****(54) NEMESIA PLANT NAMED 'NEMHORFLA'****(50) Latin Name: *Nemesia* hybrid  
Varietal Denomination: Nemhorfla****(75) Inventor: Henricus G. W. Stemkens, Hoorn (NL)****(73) Assignee: Syngenta Seeds B.V., Enkhuizen (NL)****(\*) 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.: 11/376,372****(22) Filed: Mar. 15, 2006****(65) Prior Publication Data**

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**(51) Int. Cl.**  
**A01H 5/00 (2006.01)****(52) U.S. Cl. .... Plt./263****(58) Field of Classification Search .... Plt./263**

See application file for complete search history.

*Primary Examiner*—Wendy C. Haas*Assistant Examiner*—Georgia Helmer**(74) Attorney, Agent, or Firm**—Bruce Vrana**(57) ABSTRACT**A new and distinct variety of *Nemesia* plant, substantially as herein illustrated and described, characterized particularly as to novelty by its semi-trailing and compact habit, big orange flamed flowers, very early flowering and absolutely no seed set.**1 Drawing Sheet****1**Latin name of the genus and species of the plant claimed:  
*Nemesia* hybrid.

Varietal denomination: 'Nemhorfla'.

**BACKGROUND OF THE NEW PLANT**The present invention relates to a new and distinct cultivar of *Nemesia* plant known botanically as *Nemesia* hybrid and that will be referred to hereinafter by the cultivar name 'Nemhorfla.'The new *Nemesia* is a product of a planned breeding program conducted in Enkhuizen, The Netherlands. The new *Nemesia* cultivar is characterized by a semi-trailing and compact habit, big orange flamed flowers, very early flowering and absolutely no seed set.The new *Nemesia* originated from a cross-pollination in 2002 of an unpatented *Nemesia* plant, named 'D0366-1,' as the female, or seed, parent with an unpatented *Nemesia* plant named 'E0131-2,' as the male, or pollen, parent. The cultivar 'Nemhorfla' was discovered and selected as a plant within the progeny from this cross-pollination in a controlled environment in Enkhuizen, The Netherlands, in 2003.

As a result of this cross the present cultivar was created in 2003 in Enkhuizen, Netherlands and has been repeatedly asexually reproduced by cuttings in Enkhuizen, Netherlands and Sarriens, France over a two year period. It has been found to retain its distinctive characteristics through successive propagations. The new variety is stable and reproduces true to type in successive generations of asexual reproduction.

**DESCRIPTION OF THE DRAWING**This new *Nemesia* plant is illustrated by the accompanying photographic drawing which shows blooms, buds and foliage of the plant in full color, the color shown being as true as can be reasonably obtained by conventional photographic procedures. The plant illustrated in the photographic drawing is a 16 week old plant.**2****DESCRIPTION OF THE NEW CULTIVAR**The following detailed descriptions set forth the distinctive characteristics of this new *Verbena*. The data which defines these characteristics were collected from asexual reproductions carried out in Enkhuizen, Netherlands. The plant history was taken on 14 weeks old plants blossomed under natural light in a greenhouse and grown in a 10.5 cm container.

Color readings were taken in the greenhouse under ambient light. Color references are primarily to The R.H.S. Colour Chart of The Royal Horticultural Society of London.

**TABLE 1**

	Differences between the new cultivar 'Nemhorfla,' its parents and a similar cultivar			
	'Nemhorfla'	'D0366-1'	'E0131-2'	'Sunsatia Lemon'
Seed set	No	No	Plentiful	Few
Flower size	Very large	Medium	Very large	Medium
Flower color	Orange	White	Orange	Yellow

The commercial name of the most resembling variety is 'Sunsatia Lemon.' The variety is not patented.

The plant:

*Classification*.—Botanical: *Nemesia*. Species: Hybrid.*Parentage*.—Female parent: An inbred seedling named 'D0366-1' bred in 2001. Pollen parent: An inbred seedling named 'E0131-2' bred in 2002.*Growth habit*.—Semi-trailing and compact.*Plant height*.—18–25 cm.*Spreading area of plant*.—22–30 cm.*Branching character*.—Freely branching and lateral branching at every node.*Number of branches per plant*.—30–50.*Blooming period*.—From April until November.*Propagation*.—Vegetative stem cuttings.

*Sexuality*.—Hermaphrodite.

*Time to initiate roots*.—Approximately 10 days at temperatures of 21 degrees centigrade is needed to produce rooted cuttings.

*Root system*.—Numerous and fine, the color is N155D.

The stem:

*Diameter*.—3–5 mm.

*Length*.—12–16 cm.

*Shape*.—Quadrilateral with ridges.

*Anthocyanin pigmentation*.—Absent.

*Color of the stem*.—137C.

*Length of internode*.—10–30 mm.

*Pubescence*.—Glabrous.

*Length lateral branches*.—12–16 cm.

The foliage:

*Phyllotaxis*.—Opposite.

*Shape of blade*.—Broadly ovate.

*Attachment*.—Petiolate.

*Texture*.—Upper side: Glabrous. Lower side: Glabrous.

*Venation*.—Pinnate.

*Leaf margin*.—Entire.

*Leaf base*.—Shortly attenuate.

*Leaf apex*.—Apiculate.

*Length*.—20–60 mm.

*Width*.—18–40 mm.

*Depth of incision*.—No incision.

*Color*.—Upper side: 141B. Lower side: 141C.

*Petiole length*.—1–2 mm.

*Petiole surface structure*.—Glabrous.

*Petiole diameter*.—2–3 mm.

*Petiole coloration*.—Upper side: 141B. Lower side: 141C.

The bud:

*Peduncle length*.—10–30 mm.

*Peduncle diameter*.—2–3 mm.

*Peduncle color*.—141B.

*Peduncle surface*.—Glabrous.

*Pedicel length*.—4–10 mm.

*Pedicel diameter*.—1 mm.

*Pedicel color*.—141C.

*Pedicel surface*.—Glabrous.

*Stipule length*.—1–2 mm.

*Stipule width*.—1–2 mm.

*Stipule shape*.—Lanceolate.

*Stipule color*.—Upper side: 137A. Lower side: 137B.

*Bud size*.—Diameter: 4 mm. Length: 3–5 mm.

*Bud shape*.—Globular.

*Bud color*.—N157D.

*Bud surface*.—Glabrous.

*Sepals*.—Color (Upper side): 137B. Color (Lower side): 137B. Form: Upright. Surface: Glabrous. Number: 5, fused. Length: 1–2 mm. Width: Less than 1 mm. Shape: Lanceolate. Apex: Apiculate. Base: Fused. Margin: Entire.

The flower:

*Type of inflorescence*.—Axillary raceme.

*Flower shape*.—Personate.

*Palate color*.—N25B.

*Nectary (located on underside of palate)*.—4 mm in width and 4 mm in length.

*Nectary color*.—22C.

*Throat color (upper surface)*.—157D.

*Throat color (lower surface)*.—157D.

*Surface of upper lip*.—Upper side: Glabrous. Lower side: Glabrous.

*Surface of lower lip*.—Upper side: Glabrous. Lower side: Glabrous.

*Lip margin (lower lip)*.—Entire.

*Lip margin (upper lip)*.—Entire.

*Number of lips*.—2.

*Lobes*.—Upper lip: 4. Lower lip: 1.

*Lobes on upper lip fused or unfused*.—Fused.

*Lip apex (upper lip)*.—Each lobe has an attenuate apex.

*Lip base (upper lip)*.—Fused.

*Lip apex (lower lip)*.—Obtuse.

*Lip base (lower lip)*.—Fused.

*Upper lip color*.—Upper side: N25C with a venation of color N30C and an indentation of N186C. Lower side: N42B with a venation of color N42A.

*Lower lip color*.—Upper side: N25C with a venation of color N30C. Lower side: N42B with a venation of color N42A.

*Flower dimensions*.—1.2 cm in depth, 2.8 cm in length and 2.8 cm in width at widest part.

*Lower lip dimensions*.—1.4 cm in length and 2.8 cm in width.

*Upper lip dimensions*.—1.4 cm in length and 2.4 cm in width.

*Lobe dimensions (upper lip)*.—1 cm in length and 8 mm in width.

*Flower spur dimensions*.—0.2 cm in length and 3–4 mm in width.

*Spur color*.—22A.

*Calyx dimensions*.—4 mm in length and 5 mm in width.

*Calyx color*.—135A.

*No. of flowers per inflorescence*.—35–60.

*Fragrance*.—No fragrance.

*Bloom time of one inflorescence*.—New florets continue to open in one inflorescence over a period of 45 days.

*Lastingness of one flower*.—3–7 days.

The reproductive organs:

*Androecium*.—Stamens quantity: 4. Anther shape: Ovoid. Anther length: 0.3 mm. Anther width: 0.2 mm. Anther color: 154C. Pollen amount: Little pollen. Pollen color: 154D.

*Gynoecium*.—Pistils quantity: 1. Pistil length: 3–4 mm. Stigma color: 144C. Style length: 3–5 mm. Style color: 144D. Ovary color: 144C. Ovary position: Superior. Ovary shape: Oval. Ovary dimensions: 0.3 mm in width and 0.4 mm in length.

Seeds: No seed is observed. No fruits are developed.

Disease and pest susceptibility or resistance: There are no disease problems known to the inventor other than what effects typical *Nemesia*.

Strength: Resistant to hot and cool weather, good.

What is claimed is:

1. A new and distinct cultivar of *Nemesia* plant named 'Nemhorfla,' as substantially illustrated and described herein.

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UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : PP 18,548 P3  
APPLICATION NO. : 11/376372  
DATED : March 4, 2008  
INVENTOR(S) : Henricus G.W. Stemkens

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2, line 4, delete "*Verbena*" and insert therefor --*Nemesia*--

Column 4, after "Seeds:" insert --set-- following "No seed"

Signed and Sealed this

Eighth Day of April, 2008

A handwritten signature in black ink that reads "Jon W. Dudas". The signature is written in a cursive style with a large, looped initial "J".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*