



APPLICATIONS UNDER EXAMINATION

GAZANIA

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(*Gazania*)

Proposed denomination: 'Suga402'
Trade name: SunBathers Sunset
Application number: 07-5932
Application date: 2007/06/18
Applicant: NuFlora International Pty. Ltd., Macquarie Fields, New South Wales, Australia
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Narelle Gal Bolwell, NuFlora International Pty. Ltd., Picton, New South Wales, Australia

Variety used for comparison: 'Suga119' (SunBathers Gold Coast)

Summary: 'Suga402' has a taller plant height and longer peduncle than 'Suga119'. The ray floret of 'Suga402' has an acute apex while the ray floret of 'Suga119' has an obtuse apex with a cuspidate tip. 'Suga402' differs from 'Suga119' in the colour of the upper and lower side of the ray floret.

Description:

PLANT: upright growth habit, dense branching

LEAF: opposite arrangement, simple, strong lobing, petiole present, medium glaucosity on upper side, upper side dark green, lower side light grey green

UPPER LEAVES: elliptic, apex broadly acute to obtuse, base attenuate, margin lobed, no pubescence on upper side, dense pubescence on lower side

BASAL LEAVES: strap-like, apex obtuse, base attenuate, margin entire, no pubescence on upper side, dense pubescence on lower side

PENDUNCLE: weak to medium anthocyanin colouration, weak pubescence

FLOWER: anemone type, solitary, terminal position, erect attitude

RAY FLORET: overlapping, longitudinal axis reflexing with medium curvature, ranging from elliptical to oblanceolate in shape, acute apex, absent to very weak recurvature of tip

RAY FLORET - UPPER SIDE: orange red (RHS N30C) with red (RHS N30A) at mid-vein area, secondary colour brown (darker than RHS 177A) with yellow orange (RHS 17A) at base

RAY FLORET - LOWER SIDE: absent to very weak pubescence, orange red (RHS N30C), light yellow (RHS 15D) and red pink (RHS 51C) at mid-vein area, dark brown (RHS N200A) at base

Origin and Breeding: 'Suga402' originated from a cross and was selected in Cobbity, New South Wales, Australia in October 2004. The variety was selected for its mounded habit, flower size and flower colour.

Tests and Trials: Trials for 'Suga402' were conducted in a polyhouse during the summer of 2009 in St. Thomas, Ontario. The trial included 15 plants each of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 15 cm pots on April 23, 2009. Observations and measurements were taken from 10 plants of each variety on June 25, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Suga402'

	'Suga402'	'Suga119'*
<i>Plant height (cm)</i>		
mean	20.4	14.1
std. deviation	0.84	0.69

Peduncle length (cm)

mean	15.8	11.5
std. deviation	1.05	0.89

Colour of ray floret (RHS)

upper side - main	N30C, N30A mid-vein	17A, 14A at apex, N25C at base
upper side - secondary	177A with 17A at base	N200A
lower side	N30C, 15D & 51C at mid-vein, N200A at base	17A, 10B at mid-vein

*reference variety



Gazania: 'Suga402' (left) with reference variety 'Suga119' (right)



Gazania: 'Suga402' (left) with reference variety 'Suga119' (right)