



APPLICATIONS UNDER EXAMINATION

STRAWFLOWER / PAPER DAISY

STRAWFLOWER / PAPER DAISY
(Bracteantha bracteata)

Proposed denomination: 'KLEBB08392'
Trade name: Mohave Yellow
Application number: 08-6251
Application date: 2008/03/31
Applicant: Nils Klemm, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Nils Klemm, Stuttgart, Germany
 Martin Glawe, Stuttgart, Germany

Variety used for comparison: 'KLEBA04076' (Mohave Golden Yellow)

Summary: *The plants of 'KLEBB08392' are moderately dense while those of 'KLEBA04076' are dense. The leaves of 'KLEBB08392' are smaller than those of 'KLEBA04076'. The buds of 'KLEBB08392' are yellow with brown streaks while those of 'KLEBA04076' are yellow with dark purple red streaks. The lower bracts of 'KLEBB08392' are yellow while those of 'KLEBA04076' are yellow with dark purple red streaks.*

Description:

PLANT: erect growth habit, medium density
STEM: dense pubescence

LEAF BLADE: broadest part in middle, acute apex, no variegation, dark green on upper side, no pubescence on upper or lower sides, weak undulation of margin

PEDUNCLE: no branching

BUD: pointed apex, yellow (RHS 4A) with brown (RHS 172A) streaks

FLOWER HEAD: predominantly positioned level with or just above foliage, lower part concave in lateral view, upper part flat to convex in lateral view, medium number of bracts

INVOLUCRE: one colour

BRACT: yellow (RHS 7A), no striations, weak degree of incurving

PAPPUS: yellow

Origin and Breeding: 'KLEBB08392' originated from a controlled pollination conducted in July 2004, in Stuttgart, Germany between the female parent proprietary seedling 'W 156' and the male parent proprietary seedling 'W 007'. There were 160 seedlings selected from the resultant progeny based on flower colour and foliage health. The seedlings were evaluated in a greenhouse trials in Stuttgart and assessed for branching, flower colour, flower time and growth habit. Outdoor trials were conducted to assess flower abundance, growth habit and tolerance to weather conditions. One of the seedlings was selected for commercialization and named 'KLEBB08392'.

Tests and Trials: Trials for 'KLEBB08392' were conducted in a polyhouse during the spring of 2010 in St. Thomas, Ontario. Trials included 15 plants each of the candidate and reference varieties. Rooted cuttings were transplanted into 12 cm pots on June 3, 2010. Observations and measurements were taken from 10 plants of each variety on June 15, 2010. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'KLEBB08392'

	'KLEBB08392'	'KLEBA04076'*
<i>Leaf blade length (cm)</i>		
mean	7.6	10.1
std. deviation	0.41	0.95

Leaf blade width (cm)

mean	1.3	1.8
std. deviation	0.07	0.18

Colour of bud (RHS)

main	4A with 172A streaks	6A with 185A streaks
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Colour of lower bract (RHS)

lower third	brighter than 7A	6A
middle third	brighter than 7A	6A with N34A-B streaks
upper third	brighter than 7A	N34A

*reference variety



Strawflower / Paper Daisy: 'KLEBB08392' (left) with reference variety 'KLEBA04076' (right)



Strawflower / Paper Daisy: 'KLEBB08392' (left) with reference variety 'KLEBA04076' (right)

Proposed denomination: 'KLEBB08398'
Trade name: Mohave Fire
Application number: 08-6252
Application date: 2008/03/31
Applicant: Nils Klemm, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Nils Klemm, Stuttgart, Germany
 Martin Glawe, Stuttgart, Germany

Variety used for comparison: 'Outback Wallaby Orange Blaze'

Summary: *The plants of 'KLEBB08398' are moderately dense while those of 'Outback Wallaby Orange Blaze' are dense. The leaf blades of 'KLEBB08398' are wider than those of 'Outback Wallaby Orange Blaze'. The buds of 'KLEBB08398' are brown purple while those of 'Outback Wallaby Orange Blaze' are dark purple red. The bracts of 'KLEBB08398' differ in colour from those of 'Outback Wallaby Orange Blaze'. The bracts of 'KLEBB09398' have no striations while those of 'Outback Wallaby Orange Blaze' have striations.*

Description:

PLANT: erect growth habit, medium density

STEM: dense pubescence

LEAF BLADE: broadest part in middle, acute apex, no variegation, medium green on upper side, no pubescence on upper or lower sides, weak undulation of margin

PEDUNCLE: no branching

BUD: pointed apex, brown purple (RHS 187A)

FLOWER HEAD: predominant position level with or just above foliage, lower part flat to convex in lateral view, upper part concave to flat in lateral view, many bracts

BRACT: bi-coloured, no striations, medium degree of incurving

LOWER BRACT: lower third light yellow (RHS 8B), middle third dark purple red (RHS N34A) and light yellow (RHS 8B), upper third dark purple red (RHS N34A) and brown purple (RHS 187A) at tip of apex

UPPER BRACT: middle third orange (RHS 26A), upper third red (RHS 34A) with yellow orange (RHS 23A) at apex

PAPPUS: yellow

Origin and Breeding: 'KLEBB08398' originated from a pollination conducted in July 2004 in Stuttgart, Germany between the female parent proprietary seedling 'BB 04 045' and an unknown male parent. There were 185 seedlings selected from the resultant progeny for criteria based on plant growth, flower colour and foliage health. The seedlings were assessed in greenhouse trials for plant growth, flowering time and flower colour as well as outdoor trials for flower abundance and tolerance to weather conditions. One of the seedlings was selected for commercialization and named 'KLEBB08398'.

Tests and Trials: Trials for 'KLEBB08398' were conducted in a polyhouse during the spring of 2010 in St. Thomas, Ontario. Trials included 15 plants each of the candidate and reference varieties. Rooted cuttings were transplanted into 12 cm pots on June 3, 2010. Observations and measurements were taken from 10 plants of each variety on June 15, 2010. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'KLEBB08398'

	'KLEBB08398'	'Outback Wallaby Orange Blaze'*
<i>Leaf blade width (cm)</i>		
mean	2.0	1.2
std. deviation	0.21	0.13
<i>Colour of bud (RHS)</i>		
main	187A	187B
<i>Colour of lower bract (RHS)</i>		
lower third	8B	NN155A
middle third	N34A with 8B	NN155A with 26A streaks
upper third	N34A, 187A at tip of apex	176A at tip
<i>Colour of upper bract (RHS)</i>		
middle	26A	4A with streaks of 12A
upper third	34A with 23A at apex	N25A with 23A at apex

*reference variety



Strawflower / Paper Daisy: 'KLEBB08398' (left) with reference variety 'Outback Wallaby Orange Blaze' (right)



Strawflower / Paper Daisy: 'KLEBB08398' (left) with reference variety 'Outback Wallaby Orange Blaze' (right)