



APPLICATIONS UNDER EXAMINATION

EUPHORBIA

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(*Euphorbia*)

Proposed denomination: 'Balbreblus'
Trade name: Breathless Blush
Application number: 09-6539
Application date: 2009/03/16
Applicant: Ball Horticultural Company, West Chicago, Illinois, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Scott Trees, Ball FloraPlant, Arroyo Grande, California, United States of America
 Tau-San Chou, Ball FloraPlant, West Chicago, Illinois, United States of America

Varieties used for comparison: 'Inneuphdia' (Diamond Frost) and 'Balbrewite' (Breathless White)

Summary: *The leaf blades of 'Balbreblus' are variegated while those of both reference varieties are not. The upper and lower sides of the leaf blades of 'Balbreblus' differ in colour from those of both reference varieties. The plant 'Balbreblus' has very many inflorescences, while 'Inneuphdia' has a medium number and 'Balbrewite' has many. The upper and lower sides of the bracts of 'Balbreblus' differ in colour from those of both reference varieties.*

Description:

PLANT: vegetatively propagated, annual type, bushy-rounded growth habit, medium to dense branching
STEM: medium green, strong dark red anthocyanin colouration, absent or very weak glaucosity, very weak pubescence, thin, smooth

LEAF: opposite arrangement, simple type, elliptic, broad acute apex, cuneate base, entire margin, pubescence on upper side ranging from sparse to medium density, pubescence on lower side ranging from medium to dense, variegated, green (RHS 137A) and dark brown (RHS N186C) on upper side, brown purple (RHS 187A) on lower side

PETIOLE: present

INFLORESCENCE: very many flowering

BRACT: oblanceolate, white (RHS NN155D-N155B) on upper side, white (RHS NN155D) with dark pink red (RHS 53C) on lower side

Origin and Breeding: 'Balbreblus' originated from a cross pollination between the female parent 'Inneuphdia' and the male parent 'Flame' conducted in June 2006 at Arroyo Grande, California, USA as part of a controlled breeding program. The initial selection of 'Balbreblus' was made in December 2006 based on variegated foliage and bract colours. Asexual propagation since that time has been through the use of vegetative cuttings.

Tests and Trials: Trials for 'Balbreblus' were conducted in a polyhouse during the summer of 2010, in St. Thomas, Ontario. The trial included a total of 15 plants each of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 12 cm pots on April 29, 2010. Observations and measurements were taken from 10 plants of each variety on June 4, 2010. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Balbreblus'

	'Balbreblus'	'Inneuphdia'*	'Balbrewite'*
<i>Colour of upper side of leaf blade (RHS)</i>			
main	closest to 137A	closest to 137B	closest to 137B
secondary	N186C	N/A	N/A
<i>Colour of lower side of leaf blade (RHS)</i>			
main	187A	closest to 138B	closest to 138B

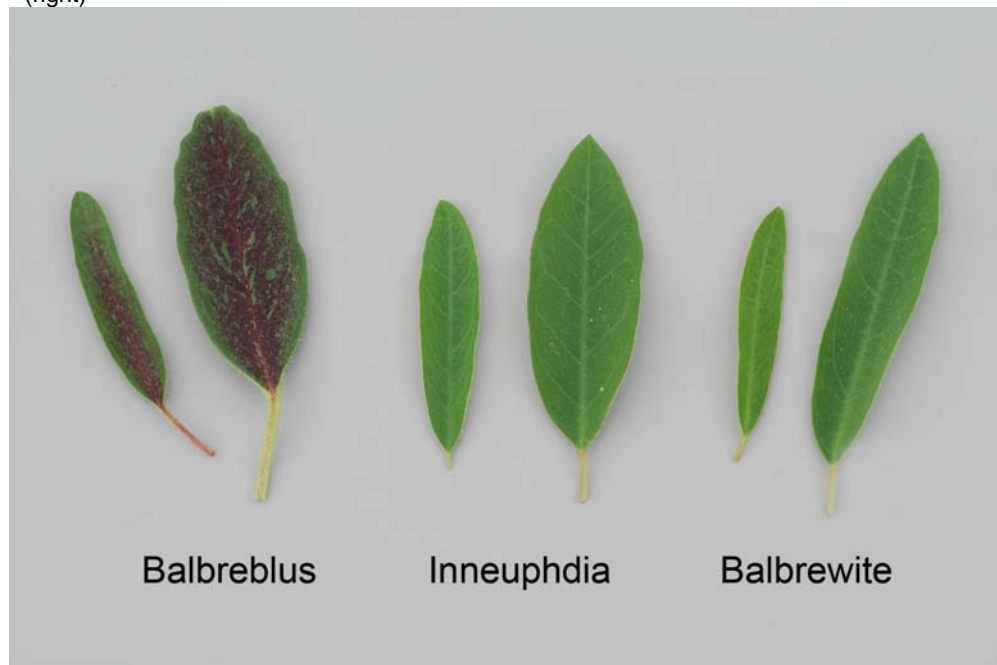
Colour of bract (RHS)

upper side	NN155D with tones of N155B	NN155D	NN155D
lower side	NN155D with 53C	NN155D	NN155D

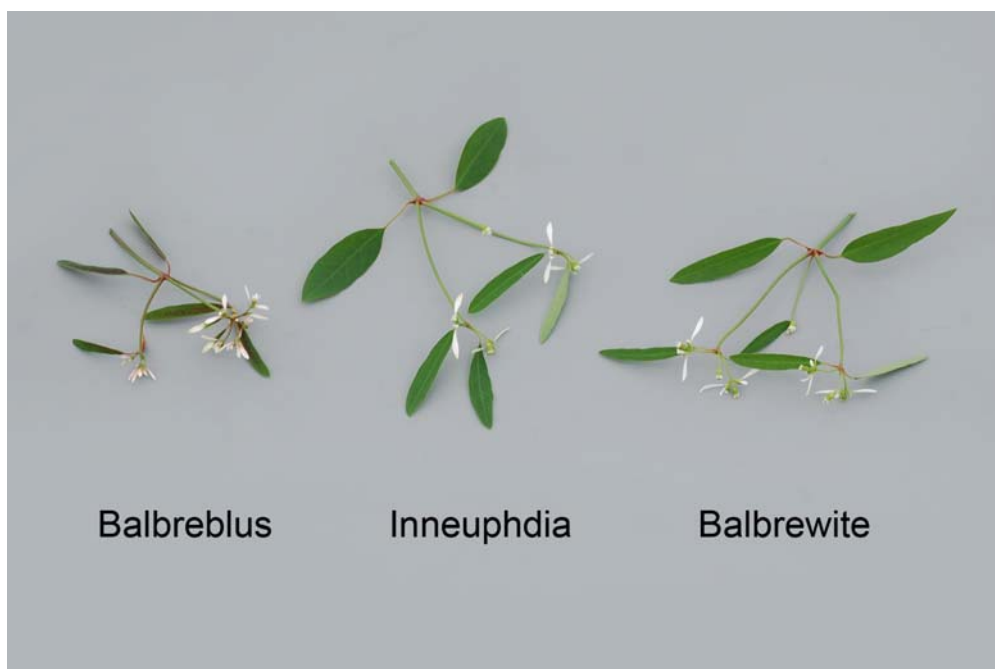
*reference varieties



Euphorbia: 'Balbreblus' (left) with reference varieties 'Inneuphdia' (center) and 'Balbrewite' (right)



Euphorbia: 'Balbreblus' (left) with reference varieties 'Inneuphdia' (center) and 'Balbrewite' (right)



Euphorbia: 'Balbreblus' (left) with reference varieties 'Inneuphdia' (center) and 'Balbrewite' (right)