<b>Details of Application</b>	
Application Number	2014/325
Variety Name	'MALOF003'
Genus Species	Philodendron bipinnatifidum
Common Name	Philodendron
Synonym	'GoldBullion'
Accepted Date	11-Apr-2016
Applicant	Malof Trading Pty Ltd
Agent	
Qualified Person	Ian Paananen
<b>Details of Comparative</b>	<u>Trial</u>
Location	Oakville, NSW
Descriptor	UPOV General Descriptor
Period	July 2015-July 2016
Conditions	Trial conducted standard polyhouse conditions, plants propagated from micro-propagation, planted into 200 mm pots filled with soilless potting mix, nutrition maintained with slow release and liquid fertilisers. No pest and disease treatments were required.
Trial Design	Twelve pots of each variety arranged in a completely randomised design.
Measurements	Measurements were taken from ten plants according to the UPOV guidelines in metric system.
RHS Chart - edition	2015
Origin and Breeding	

Spontaneous mutation: 'Winterbourn' (aka Xanadu <sup>TM</sup>). The parent is characterised by a dark green leaf colour. Selection took place in Oakville, NSW in 2012. Selection criteria: presence of golden yellow leaf colour which does not turn green with maturity, compact plant growth habit. Propagation: vegetative micro-propagation, cuttings and divisions were found to be uniform and stable. Breeder: Stephen Solomon, Oakville, NSW.

<u>Choice of Comparators</u> Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

Organ/Plant Part	Context	State of Expression in Group of Varieties
Plant	size	medium
Plant	width	medium
Leaf	shape	pinnatisect
Leaf	incision of margin	present
Leaf	undulation of margin	strong
Leaf	number of colours	one

## Most Similar Varieties of Common Knowledge identified (VCK)

Comments		
Originating Thailand 1999, assigned to Kerry's		
Bromeliads, Inc, USA. Described: USPP 19,214/ CPVO		
2007/2470. Not found to be available any longer		

'Winterbourn'			parent variety	parent variety		
Varieties o	f Common I	Knowledg	<u>e identified and subseq</u>	uently excluded		
Variety Distinguishing		hing	State of Expression in	State of Expression in	Comments	
	Character	istics	Candidate Variety	Comparator Variety		
'Golden	Immature	length	short	medium		
Xanadu'	leaf blade					
'Golden	Immature	width	narrow	medium		
Xanadu'	leaf blade					
'Golden	Petiole	length	short	medium		
Xanadu'						
'Golden	Plant	height	short	medium		
Xanadu'	(immature)					

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.

Organ/Plant Part: Context	'MALOF003'	'Winterbourn'
Plant: growth habit	erect	erect
Plant: size	medium	medium
Plant: height	short	medium
Plant: width	medium	medium
Stem: presence of anthocyanin in new growth	present	present
Young shoot: anthocyanin colouration	medium	medium
Leaf: leaf type	simple	simple
Leaf: attitude	erect	erect
Leaf: length of blade	medium	medium
Leaf: width of blade	medium	medium
Leaf: length of petiole	short	medium
Leaf: shape	pinnatisect	pinnatisect
Leaf: incision of margin	present	present
Leaf: undulation of the margin	strong	strong
Leaf: shape of cross-section	concave	concave
Leaf: curvature of longitudinal axis	straight	recurved
Leaf: glossiness of upper side	medium to strong	medium to strong
Leaf: green colour	light	dark
Leaf: presence of variegation	absent	absent
Leaf: primary colour (RHS colour chart)	N144A	NN137B
Leaf colour: number of colours	one	one

Characteristics Additional to the Descriptor/TG		
Organ/Plant Part: Context	'MALOF003'	'Winterbourn'

	N144A		146A	
Leaf: colour of lower side (RHS)  Immature leaf: colour of upper side (RHS)			ca 146A	
	177D		distal N199A, proximal 177A	
Immature leaf: colour of upper side midrib and orimary veins (RHS)			ca 177B	
Immature leaf: colour of lower side midrib and primary veins (RHS)			177A	
'MAL	OF003'	'W	'interbourn'	
18.80		21.	80	
2.20	1.5		0	
2.42		P<=0.01		
40.60		40.	80	
4.20		4.40		
5.53		ns		
144.40	)	159	9.00	
16.10	0 1		11.10	
17.78	ns			
72.20		79.	60	
12.80	7.4			
13.47	ns			
2.04		2.0	1	
		0.3	0	
sd/sig 0.37		ns		
119.50		150	6.20	
8.40			30	
14.32		P<	=0.01	
	18.80 2.20 2.42 40.60 4.20 5.53 144.40 16.10 17.78 72.20 12.80 13.47 2.04 0.30 0.37	N144A  177D  and  182C  177D  *MALOF003*    18.80	N144A  177D  and 182C  and 177D  *MALOF003*  *W  18.80 2.20 2.42  P<  40.60 4.20 5.53  ns  144.40 15.53  ns  172.20 17.78  ns  72.20 12.80 17.78  ns  72.20 12.80 7.4 13.47  ns  119.50 8.40  156 8.40  156 8.40  156 8.40  156 8.40	

## **Prior Applications and Sales:**

Nil

Description: Ian Paananen, Crop & Nursery Services