OSTEOSPERMUM
(Osteospermum ecklonis)

Proposed denomination: **'KLEOE17329'**
Trade name: Bright Lights White
Application number: 19-10040
Application date: 2019/10/31
Applicant: Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Nils Klemm, Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
Maike Boxriker, Schwäbisch Gmünd, Germany

Variety used for comparison: 'Balvowite' (Voltage White)

Summary: *The shoot of 'KLEOE17329' is longer than that of 'Balvowite'. The flower head of 'KLEOE17329' has a greater number of ray florets than that of 'Balvowite'. The outer side of the ray floret of 'KLEOE17329' is light yellow with lighter yellow along the margins whereas that of 'Balvowite' is medium yellow with white along the margins. The disc of 'KLEOE17329' is light grey whereas that of 'Balvowite' is yellow.*

Description:
PLANT: erect attitude of shoot

LEAF: medium indentations of margin, no variegation, dark green on upper side

YOUNG FLOWER HEAD: inner side of ray floret is white (RHS NN155D)
FLOWER HEAD: no paracorolla, anemone type
RAY FLORET: large length to width ratio, obtuse apex, inward rolling of longitudinal margins absent on all flowers, basal zone on inner side is white (RHS NN155D), one colour on inner side, inner side is white (RHS NN155D), distribution of colour on inner side is even, no secondary colour, colour of middle zone on outer side is light yellow (RHS 8C) with lighter yellow (RHS 8D) along margins
TUBULAR DISC: light grey

Origin and Breeding: 'KLEOE17329' originated from a controlled cross conducted between the female parent variety 'Atila' (Sunny) and the male parent, a proprietary seedling designated 'OE-2000-1301' in the summer of 2013 in Stuttgart, Germany. From the resulting progeny, a single unique seedling was selected in April 2014 based on plant growth habit and flower colour in Stuttgart, Germany. All seedlings were evaluated in greenhouse trials from 2014 to 2019 to assess plant growth habit and summer performance. 'KLEOE17329' was selected for commercialization in 2017.

Tests and Trials: The comparative trial of 'KLEOE17329' was conducted in a polyhouse during the spring of 2023 at BioFlora Inc. in St. Thomas, Ontario. It included a total of 20 plants each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots on May 5, 2023. Observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety on June 19, 2023. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'KLEOE17329'

	'KLEOE17329'	'Balvowite'*
Shoot length (cm)		
mean	15.8	11.5
std. deviation	1.91	0.85
Number of ray florets per flower head		
mean	25.4	21.8
std. deviation	0.80	0.92

Colour of outer side of ray floret of flower (RHS)

middle zone	8C	9A
along margin	8D	NN155D

*reference variety

Osteospermum: 'KLEOE17329' (left) with reference variety 'Balvowite' (right)

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Osteospermum: 'KLEOE17329' (left) with reference variety 'Balvowite' (right)

Proposed denomination: **'KLEOE19400'**
Trade name: Voltage Gold
Application number: 20-10148
Application date: 2020/04/14
Applicant: Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Maike Boxriker, Schwäbisch Gmünd, Germany

Variety used for comparison: 'Balvoyelo' (Voltage Yellow)

Summary: *The leaf of 'KLEOE19400' is shorter than that of 'Balvoyelo'. The inner side of the ray floret of the young flower head of 'KLEOE19400' is dark yellow whereas that of 'Balvoyelo' is medium yellow. The flower head of 'KLEOE19400' has a greater number of ray florets than that of 'Balvoyelo'. The flower head of 'KLEOE19400' has a smaller diameter than that of 'Balvoyelo'. The ray floret of 'KLEOE19400' is shorter than that of 'Balvoyelo'. The basal zone of the ray floret of 'KLEOE19400' is medium yellow orange with orange red streaks whereas that of 'Balvoyelo' is medium yellow. The inner side of the ray floret of 'KLEOE19400' is dark yellow transitioning to lighter yellow towards the base whereas that of 'Balvoyelo' is medium yellow throughout. The outer side of the ray floret of 'KLEOE19400' is orange to brown orange whereas that of 'Balvoyelo' is very light yellow to light yellow. The disc of 'KLEOE19400' is dark blue to brown whereas that of 'Balvoyelo' is yellow.*

Description:
PLANT: erect attitude of shoot

LEAF: shallow indentations of margin, no variegation, dark green on upper side

YOUNG FLOWER HEAD: inner side of ray floret is dark yellow (closest to RHS 14A)
FLOWER HEAD: no paracorolla, anemone type
RAY FLORET: large length to width ratio, obtuse apex, inward rolling of longitudinal margins absent on all flowers, basal zone on inner side is medium yellow orange (RHS 17A) with orange red (RHS 35B) streaks, one colour on inner side, inner side is dark yellow (RHS 14A), distribution of colour on inner side is lighter towards base, no secondary colour, colour of middle zone on outer side is orange to brown orange
TUBULAR DISC: dark blue to brown

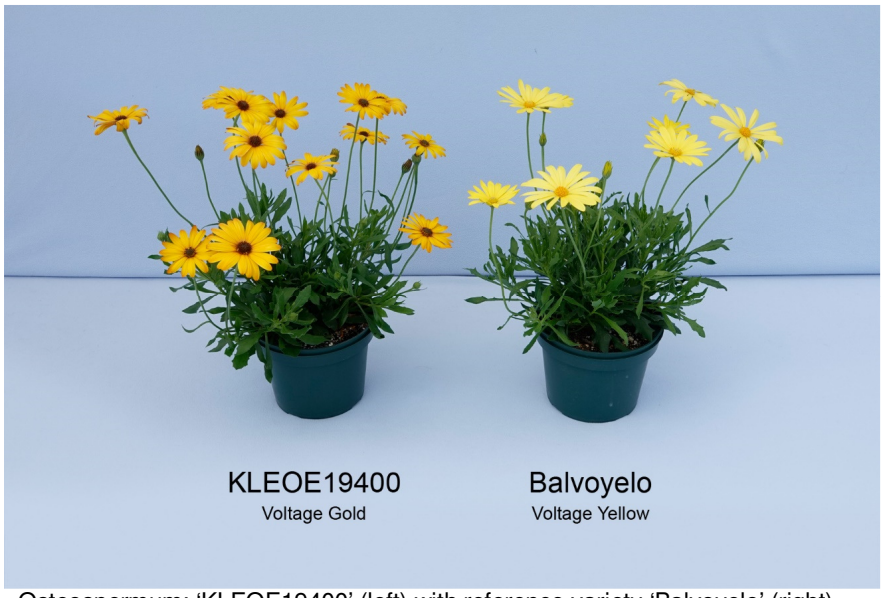
Origin and Breeding: 'KLEOE19400' originated from a controlled cross conducted between the female parent designated 'OE-2013-0095' and the male parent designated 'OE-2011-0305' in August 2015 in Nairobi, Kenya. The resulting seed was sown in Stuttgart, Germany. From the resulting progeny, seedlings were selected in May 2016 based on plant growth habit and flower colour in Stuttgart, Germany. All seedlings were since evaluated in greenhouse trials to assess performance.

Tests and Trials: The comparative trial of 'KLEOE19400' was conducted in a polyhouse during the spring of 2023 at BioFlora Inc. in St. Thomas, Ontario. It included a total of 20 plants each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots on May 5, 2023. Observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety on June 22, 2023. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

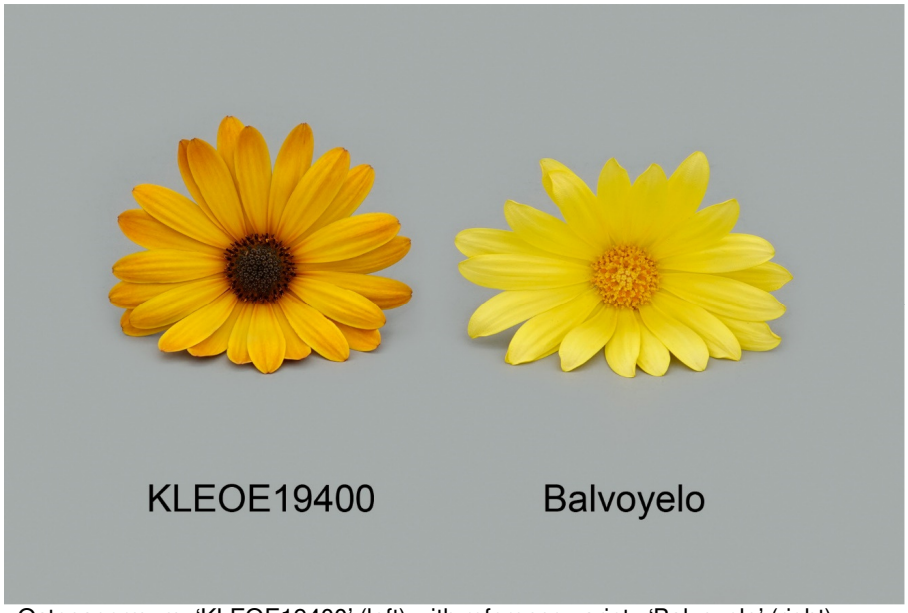
Comparison table for 'KLEOE19400'

	'KLEOE19400'	**'Balvoyelo'***
Leaf length (cm)		
mean	5.8	8.4
std. deviation	0.29	0.43
Colour of ray floret of young flower head (RHS)		
inner side	closest to 14A	6A
Number of ray florets per flower head		
mean	25.2	22.7
std. deviation	1.03	1.10
Flower head diameter (cm)		
mean	7.3	8.6
std. deviation	0.34	0.25
Ray floret length (cm)		
mean	3.4	4.2
std. deviation	0.14	0.09
Colour of ray floret (RHS)		
basal zone	17A with 35B streaks	5A
main	14A transitioning to lighter at base	5A

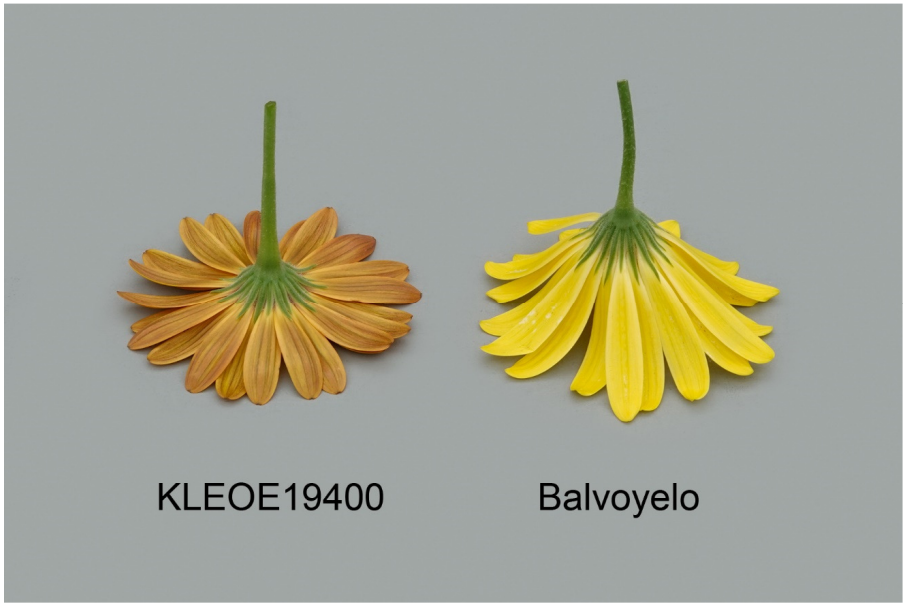
*reference variety



Osteospermum: 'KLEOE19400' (left) with reference variety 'Balvoyelo' (right)



Osteospermum: 'KLEOE19400' (left) with reference variety 'Balvoyelo' (right)



Osteospermum: 'KLEOE19400' (left) with reference variety 'Balvoyelo' (right)