



APPLICATIONS UNDER EXAMINATION

CARNATION

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(*Dianthus caryophyllus*)

Proposed denomination: 'KLEDP18255'
Application number: 18-9429
Application date: 2018/04/27
Applicant: Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Lena Gutbrodt, Bempflingen, Germany

Description:

PLANT: pot plant type, white or near white main colour group, purple red secondary colour group, short, medium density, flowers positioned moderately above foliage

STEM: short internode, thin to medium internode thickness, circular in cross-section, not hollow

LEAF BLADE: obovate, short to medium length, narrow to medium width, absent or very weakly recurved along longitudinal axis, flat or very weakly concave in cross-section, grey green upper side, weak degree of glaucosity, no spiny ciliation of margin

FLOWER BUD: obovate, no extrusion of styles

EPICALYX (OUTER LOBES): adpressed and free in relation to calyx, acute apex, short tip

EPICALYX (INNER LOBES): acute apex, short tip

CALYX: short to medium length, narrow to medium width, cylindrical

CALYX LOBE: acute apex, medium length, straight along longitudinal axis, absent or very weak intensity of anthocyanin colouration

FLOWER: small to medium diameter, double type, few petals

COROLLA: very short to short, profile of upper part is flat concave in lateral view, profile of lower part is flat in lateral view

PETAL: predominantly type 3 shape, medium degree of undulation, short, very narrow to narrow, mainly white (RHS NN155D), few purple red (RHS 58B) stripes, medium width margin, medium number of stripes, no speckles, no flush, no macule

PETAL MARGIN INCISIONS: dentate, many, medium to deep

OVARY: obovate, yellowish base, slightly ribbed surface

STYLE: only two, short, no shoulder

STIGMA: white

Origin and Breeding: 'KLEDP18255' originated from a controlled cross conducted by the breeder Lena Gutbrodt, in Stuttgart, Germany in June 2013. The cross was made between the female parent variety designated DCP-2006-0024 and the male parent variety designated DCP-2009-0069. A single unique seedling was selected in July 2014, in Stuttgart, based on its growth habit and flower colour. The new variety 'KLEDP18255' was evaluated in greenhouse trials in Stuttgart from September 2014 to April 2015 where it was further assessed for growth habit and flower colour.

Tests and Trials: The detailed description of 'KLEDP18255' is based on the UPOV Report of Technical Examination, application number 2019/1467, purchased from the Community Plant Variety Office, in Angers, France. The trials were conducted by the Naktuinbouw, in Roelofarendsveen, Netherlands in 2020. The colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.



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