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**Stemkens**

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(54) **ERYSIMUM PLANT NAMED ‘ERFZ0007’**

(50) Latin Name: *Erysimum linifolium*  
Varietal Denomination: **ERFZ0007**

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See application file for complete search history.

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(57) **ABSTRACT**

A new *Erysimum* plant named ‘ERFZ0007’ particularly distinguished by the yellow with red flower color that turns to clear yellow in warmer conditions, medium flowers, green foliage color, rounded and branched plant habit and is quite early to flower.

**1 Drawing Sheet**

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Latin name of the genus and species of the plant claimed: *Erysimum linifolium*.

Varietal denomination: ‘ERFZ0007’.

**BACKGROUND OF THE NEW PLANT**

The present invention comprises a new *Erysimum*, botanically known as *Erysimum linifolium*, and hereinafter referred to by the variety name ‘ERFZ0007’.

‘ERFZ0007’ is a product of a planned breeding program. The new cultivar ‘ERFZ0007’ has a yellow with red flower color that turns to clear yellow in warmer conditions, medium flowers, green foliage color, rounded and branched plant habit and is quite early to flower.

‘ERFZ0007’ originates from a hybridization made in a greenhouse in April 2014 in Enkhuizen, The Netherlands. The female parent was a proprietary plant identified as ‘M2331-1’, unpatented, with deep yellow flower color, fewer branches, and overall larger size than that of ‘ERFZ0007’.

The male parent of ‘ERFZ0007’ is an unknown plant from the whole population of *Erysimum*. The resultant seed was sown in September 2014 in a greenhouse in Enkhuizen, The Netherlands.

‘ERFZ0007’ was selected as one flowering plant within the progeny of the stated cross in March 2015 in Enkhuizen, The Netherlands.

The first act of asexual reproduction of ‘ERFZ0007’ was accomplished when vegetative cuttings were propagated from the initial selection in May 2015 in a controlled environment in Enkhuizen, The Netherlands.

**BRIEF SUMMARY OF INVENTION**

Horticultural examination of plants grown from cuttings of the plant initiated in May 2015 in Enkhuizen, The Netherlands, and continuing thereafter, has demonstrated that the combination of characteristics as herein disclosed

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for ‘ERFZ0007’ are firmly fixed and are retained through successive generations of asexual reproduction.

‘ERFZ0007’ has not been observed under all possible environmental conditions. The phenotype may vary significantly with variations in environment such as temperature, light intensity, and day length.

A Plant Breeder’s Right for this cultivar was applied for in the European Union on May 23, 2019 and assigned No. 2019/1298. ‘ERFZ0007’ has not been made publicly available prior to the effective filing date of this application, notwithstanding any disclosure that may have been made less than one year prior to the effective filing date of this application by the inventor or another who obtained ‘ERFZ0007’ directly from the inventor.

The following traits have been repeatedly observed and are determined to be basic characteristics of the new variety. The combination of these characteristics distinguishes this *Erysimum* as a new and distinct variety

**BRIEF DESCRIPTION OF THE PHOTOGRAPHS**

The accompanying photographic drawings show typical flower and foliage characteristics of ‘ERFZ0007’ with colors being as true as possible with an illustration of this type.

The photographic drawings show in FIG. 1 a flowering plant of the new variety and in FIG. 2 a close-up of a flower and buds.

**DETAILED BOTANICAL DESCRIPTION**

The plant descriptions, measurements and aforementioned photographs were taken in Andijk, The Netherlands in March 2018 under natural light. These plants were growing in an indoor trial under natural light in Andijk, The Netherlands. The plants were about 18 weeks of age.

Color chart used: Royal Horticultural Society Colour Chart (R.H.S.) 2001

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'ERFZ0007' AND A MOST SIMILAR VARIETY		
	'ERFZ0007'	'ERFZ0003' (U.S. Plant Pat. No. 29,331)
Natural flowering response:	Later	Earlier
Plant habit:	Shorter when plants start to flower	Taller when plants start to flower
Flower spike:	Very short	Becomes longer on mature plants
Flower color:	Yellow with red that turns to yellow	Mauve

## Plant:

*Form, growth and habit.*—Compact and mounded, good flowering on short peduncles at more mature stage.

*Plant height.*—22-29.0 cm.

*Plant height (inflorescence included).*—28-34.0 cm.

*Plant width.*—About 17.0 cm.

## Roots:

*Number of days to initiate roots.*—About 8 days at about 18 degrees C.

*Number of days to produce a rooted cutting.*—About 3.5 weeks at 18 degrees C.

*Type.*—Fine, fibrous, free branching.

*Color.*—RHS N155B.

## Foliage:

*Arrangement.*—Alternate.

*Immature, leaf color, upper surface.*—RHS 137B.

*Immature, leaf color, lower surface.*—RHS 138B.

*Mature, leaf color, upper surface.*—RHS 137B.

*Mature, leaf color, lower surface.*—RHS 138B.

*Length.*—5.0-5.9 cm.

*Width.*—0.6-0.8 cm.

*Shape.*—Oblanceolate to ensiform.

*Base shape.*—Cuneate.

*Apex shape.*—Abruptly acute.

*Margin.*—Entire.

*Texture, upper surface.*—Smooth.

*Texture, lower surface.*—Smooth.

*Colour of veins, upper surface.*—RHS 143A.

*Colour of veins, lower surface.*—RHS 144A.

*Veination pattern.*—Pinnate.

*Petiole color.*—RHS 143B.

*Length.*—0.6-0.9 cm.

*Diameter.*—0.25 cm.

*Texture.*—Smooth.

## Stem:

*Color of stem.*—RHS 143A.

*Length of stem.*—17-17.5 cm.

*Diameter.*—0.5 cm.

*Length of internodes.*—1.1 cm.

*Texture.*—Smooth.

*Colour of peduncle.*—RHS 143A.

*Length of peduncle.*—9.0-22.0 cm.

*Diameter of peduncle.*—0.3-0.4 cm.

*Texture.*—Smooth.

*Color of pedicel.*—RHS 144B.

*Length of pedicel.*—0.3 cm.

*Diameter of pedicel.*—0.1 cm.

*Texture.*—Smooth.

## Inflorescence:

*Type.*—Single, cruciform, composed of 4 petals; flowers held above the plant, short to medium peduncles on more mature plants.

*Natural flowering season.*—March to October in The Netherlands.

*Quantity of inflorescences per plant.*—16-27 with open flowers and 12-19 immature ones.

*Lastingness of individual blooms on the plant.*—About 4 days.

*Fragrance.*—None.

## Bud (just before opening/showing color):

*Color.*—Some RHS 155B and some closer to RHS 83B.

*Length.*—1.0 cm.

*Width.*—0.4-0.5 cm.

*Shape.*—Oblong.

## Corolla:

## Immature inflorescence:

*Diameter.*—1.4-1.6 cm.

*Color of petals, upper surface.*—RHS 17C with RHS 45C veins and spots.

*Color of petals, lower surface.*—RHS 26A with RHS 30C spots.

## Mature inflorescence:

*Flower diameter.*—1.5-1.8 cm.

*Depth.*—1.2-1.4 cm.

*Petal color, upper surface.*—RHS 17B.

*Petal color, lower surface.*—RHS 26B.

*Length of petal.*—0.7-0.8 cm.

*Width of petal.*—0.4-0.5 cm.

*Shape.*—Spathulate.

*Apex shape.*—Slightly retuse.

*Petal base.*—Acuminate.

*Margin.*—Entire.

*Petal texture, upper surface.*—Smooth.

*Petal texture, lower surface.*—Smooth.

## Calyx:

*Quantity.*—4 sepals.

*Color, upper surface.*—RHS 139B.

*Color, lower surface.*—RHS 139B.

*Sepals.*—

*Length.*—0.5 cm.

*Width.*—0.3 cm.

*Shape.*—Oblong.

*Apex shape.*—Obtuse.

*Base.*—Cuneate.

*Margins.*—Entire.

*Texture, upper/inner surface.*—Glabrous.

*Texture, lower/outer surface.*—Smooth.

## Reproductive organs:

*Gynoecium.*—

*Pistil quantity.*—1.

*Length.*—0.7 cm.

*Style color.*—RHS 145C.

*Style length.*—0.45-0.5 cm.

*Style texture.*—Heavily covered with bifid hairs as to appear much lighter in color.

*Stigma color.*—RHS 145B.

*Stigma shape.*—Oval to disc-shaped and a cleft down the center.

*Stigma texture.*—Grainy looking.

*Ovary color.*—Not developed enough to observe.

*Androecium.*—

*Stamens, quantity.*—6.

*Color of filaments.*—RHS 160C and somewhat translucent.

*Length filaments.*—0.6 cm.

*Anther color.*—RHS 18A.

*Anther length.*—0.3 cm.

*Anther shape.*—Oblong.

*Color of pollen.*—RHS 18B.

*Pollen amount.*—Normal.

*Fertility/seed set.*—Has not been determined to date.

*Disease/pest resistance.*—Has not been determined to date.

What is claimed is:

- 5 1. A new and distinct variety of *Erysimum* plant named 'ERFZ0007' substantially as illustrated and described herein.

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FIG. 1



FIG. 2