

Title (en)  
PRODUCTION OF HYBRID CEREAL CROPS

Publication  
**EP 0543837 A4 19930929 (EN)**

Application  
**EP 91913242 A 19910717**

Priority  
GB 9015671 A 19900717

Abstract (en)  
[origin: WO9201366A1] This invention relates to the production of hybrids of cereal crops, particularly small grained cereals such as wheat and barley. In addition, the invention concerns new genetically altered plants, for use with this method. The plant line used in the production of hybrids, has a chromosome bearing a dominant male fertility restorer gene and a colour marker gene which confers a characteristic colouration on the progeny seed. The male sterile parental plant line is maintained by physically separating the progeny seeds by colour sorting.

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**A01H 1/02**; **A01H 1/04**

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CPC (source: EP US)  
**A01H 1/023** (2021.01 - EP US); **A01H 1/04** (2013.01 - EP US)

Citation (search report)

- [X] AU 466787 B2 19751106
- [X] US 4763441 A 19880816 - DAVIS WILLIAM H [US]
- [X] FR 2220969 A5 19741004 - GABONATERMESZTESI KUTATO INTEZ [HU]
- [A] US 4143486 A 19790313 - MAAN SHIVCHARAN S
- [XP] CAB 1397215 OP063-02354 ACTA AGRONOMICA SINICA, Vol17, no.2 1991@ YANGLING China, pages 81-87, S.S.HUANG ET AL : " The development of a blue-marked nuclear male-sterile line and its maintainer in bread wheat."
- [YD] CROP SCIENCE vol. 12, no. 4, 1972, pages 516 - 517 C.J.DRISCOLL 'X Y Z system for producing hybrid wheat'
- [X] CAB 0474018 OP056-06528 Shangxi Agricultural Science no.9, 1985, TAIYUAN China, pages 6-9; S.C.SUN & S.H.LI : "A study on adding a blue marker
- [A] to nuclear male-sterile taigu wheat."
- [A] J.M.POEHLMAN 'Breeding field crops' 1986 , VAN NOSTRAND REINHOLD , NEW YORK US chapter 7, pages 134-143, par. "Male sterility", chapter 14, pages 290-307, "Breeding wheat".
- [AD] CROP SCIENCE vol. 25, 1985, pages 1115 - 1116 G.J.DRISCOLL 'Modified X Y Z system for producing hybrid wheat'
- See references of WO 9201366A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**WO 9201366 A1 19920206**; AU 651363 B2 19940721; AU 8284891 A 19920218; CA 2087427 A1 19920118; EP 0543837 A1 19930602; EP 0543837 A4 19930929; GB 9015671 D0 19900905

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**AU 9100319 W 19910717**; AU 8284891 A 19910717; CA 2087427 A 19910717; EP 91913242 A 19910717; GB 9015671 A 19900717