

Title (en)
GENETIC SEQUENCE WHICH CODES FOR THE FLAVON SYNTHASE II ENZYME AND USE OF THE SAME

Title (de)
GENETISCHE SEQUENZ, DIE FÜR FLAVONSYNTHASE II ENZYME KODIERT, UND DEREN VERWENDUNG

Title (fr)
SEQUENCE GENETIQUE CODANT POUR L'ENZYME FLAVONE II SYNTHASE ET SON UTILISATION

Publication
EP 1190077 A2 20020327 (DE)

Application
EP 00936633 A 20000414

Priority
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• DE 19918365 A 19990422

Abstract (en)
[origin: DE19918365A1] Nucleic acid (I) that encodes flavone synthase II (FNSII) is (i) a 1697 base pair (bp) sequence (1), reproduced, or its fragments; (ii) a sequence that hybridizes to (1) and/or has at least 40% homology with it, and encodes a protein or polypeptide with FNSII activity, or (iii) is the genetic equivalent of (i) or (ii). Independent claims are also included for the following: (1) Nucleic acid (Ia) complementary to (I); (2) recombinant DNA (II) containing (I) or (Ia); (3) host cell containing (II), where this is a vector, optionally including a promoter; (4) polypeptide (III) encoded by (I) or (Ia); (5) transgenic plants containing (I) or (Ia); and (6) producing transgenic plants with altered flower color.

IPC 1-7
C12N 15/82; **C12N 9/02**; **C12N 5/10**; **A01H 5/00**

IPC 8 full level
A01H 5/00 (2006.01); **A61K 31/352** (2006.01); **A61P 35/00** (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 9/02** (2006.01); **C12N 15/09** (2006.01); **C12N 15/29** (2006.01); **C12N 15/82** (2006.01); **C12P 17/06** (2006.01)

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A61P 35/00 (2017.12); **C12N 9/0042** (2013.01); **C12N 9/0077** (2013.01); **C12N 15/8243** (2013.01); **C12N 15/825** (2013.01); **C12N 15/8279** (2013.01); **C12P 17/06** (2013.01)

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