

Title (en)

METHOD OF PRODUCING PLANTS WHICH ARE TOLERANT OR RESISTANT TO HERBICIDES

Title (de)

METHODE ZUR HERSTELLUNG VON HERBIZID-RESISTENTEN ODER -TOLERANTEN PFLANZEN

Title (fr)

PROCEDE DE PRODUCTION DE PLANTES TOLERANTES OU RESISTANTES AUX HERBICIDES

Publication

**EP 1078084 A1 20010228 (EN)**

Application

**EP 99915871 A 19990407**

Priority

- GB 9901059 W 19990407
- GB 9807818 A 19980409

Abstract (en)

[origin: WO9953081A1] A method of making plants which are resistant or tolerant to herbicides which, in vitro, inhibit 4-hydroxyphenylpyruvate dioxygenase (4HPPD) comprises the steps of: (i) transforming plant material with a polynucleotide comprising a region encoding a phytoene desaturase; (ii) regenerating the thus transformed material into morphologically normal plants. In a preferred embodiment the region comprised by the polynucleotide is the sequence depicted in SEQ ID No.1, or is a sequence which is complementary to one which when incubated at a temperature of between 55 and 60 DEG C in 0.3 strength citrate buffered saline containing 0.1 % SDS followed by rinsing at the same temperature with 0.3 strength citrate buffered saline containing 0.1 % SDS still hybridises with the sequence depicted in SEQ ID No.1.

IPC 1-7

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