

Title (en)  
STRESS-RESISTANT OVERSIZED TRANSGENIC PLANTS CAPABLE OF GROWING IN SALINIZED SOIL

Title (de)  
STRESSRESISTENTE, ÜBERGROSSE, TRANSGENE, ZUM WACHSTUM AUF SALZIGEN BÖDEN BEFÄHIGTE PFLANZEN

Title (fr)  
PLANTES TRANSGENIQUES SURDIMENSIONNEES RESISTANT AUX CONTRAINTES ET CAPABLES DE CROITRE DANS UN SOL SALINISE

Publication  
**EP 1231831 A4 20040630 (EN)**

Application  
**EP 00980337 A 20001110**

Priority

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- US 16480899 P 19991110
- US 22622300 P 20000818
- US 64403900 A 20000822

Abstract (en)  
[origin: WO0133945A1] A stress resistant, oversized, transgenic plant capable of growing in salinized media comprising a polynucleotide sequence causing upregulated express of vacuolar pyrophosphatase. Further disclosed, is the seed produced by such transgenic plants which comprises such polynucleotide sequence, and progeny plants grown from such seed.

IPC 1-7  
**A01H 1/00**; **A01H 5/00**; **C07H 21/04**; **C12N 15/00**; **C12N 15/09**; **C12N 15/63**; **C12N 15/70**; **C12N 15/74**; **C12N 15/82**; **C12N 15/87**

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CPC (source: EP)  
**C07K 14/415** (2013.01); **C12N 15/8242** (2013.01); **C12N 15/8273** (2013.01)

Citation (search report)

- [X] WO 9726365 A2 19970724 - DEKALB GENETICS CORP [US], et al
- [XA] WO 9905902 A1 19990211 - PURDUE RESEARCH FOUNDATION [US], et al
- [A] WO 9947679 A2 19990923 - BLUMWALD EDUARDO [CA], et al
- [A] CUNNINGHAM S D ET AL: "Promises and prospects of phytoremediation;", PLANT PHYSIOL.; 110, 3, 715-19 CODEN: PLPHAY ISSN: 0032-0889, 1996, XP002277561
- See references of WO 0133945A1

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