

Title (en)
EUCALYPTUS UROPHYLLA TRANSFORMATION AND SELECTION

Title (de)
EUCALYPTUS-UROPHYLLA-TRANSFORMATION UND -SELEKTION

Title (fr)
TRANSFORMATION ET SELECTION D'EUCALYPTUS UROPHYLLA

Publication
EP 1814379 A4 20090225 (EN)

Application
EP 05851291 A 20051103

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• US 2005039520 W 20051103
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• US 15834205 A 20050622

Abstract (en)
[origin: WO2006052554A2] The present invention relates to a method for transforming and selecting plant explants. The transformation method includes pre-culturing the explants in the presence of an Agrobacterium inducer and exposing the transformed explants to a shoot regeneration media that accelerates shoot development. Plants generated from this transformation method are provided. In particular, methods for obtaining transgenic *E. grandis* x *E. urophylla* cells and therefrom regenerating stably transformed *E. grandis* x *E. urophylla* trees are provided. The invention also provides media, methods, and plasmids for selecting and regenerating plants.

IPC 8 full level
C12N 15/82 (2006.01)

CPC (source: EP)
C12N 15/8205 (2013.01)

Citation (search report)
• [PX] WO 2004108903 A2 20041216 - ARBORGEN LLC [US], et al
• [A] WO 0015813 A1 20000323 - GENESIS RES & DEV CORP LTD [NZ], et al
• [A] EP 1050209 A2 20001108 - OJI PAPER CO [JP]
• [A] CHEN ZENN-ZONG ET AL: "Callus culture of Eucalyptus grandis x urophylla and preliminary studies on organogenesis and Agrobacterium-mediated transformation", TAIWAN JOURNAL OF FOREST SCIENCE, vol. 11, no. 1, 1996, pages 43 - 52, XP002509323, ISSN: 1026-4469
• [A] MACHADO LUCIANA DE OLIVEIRA R ET AL: "Agrobacterium strain specificity and shooty tumour formation in eucalypt (*Eucalyptus grandis* x *E. urophylla*)", PLANT CELL REPORTS, vol. 16, no. 5, 1997, pages 299 - 303, XP008100088, ISSN: 0721-7714
• See references of WO 2006052554A2

Designated contracting state (EPC)
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WO 2006052554 A2 20060518; WO 2006052554 A3 20080904; AR 051478 A1 20070117; AU 2005305071 A1 20060518; EP 1814379 A2 20070808; EP 1814379 A4 20090225

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