

Title (en)  
METHOD FOR DIAGNOSING ALZHEIMER'S DISEASE

Title (de)  
VERFAHREN ZUM DIAGNOSTIZIEREN DER ALZHEIMERSCHEN KRANKHEIT

Title (fr)  
PROCEDE POUR DIAGNOSTIQUER LA MALADIE D'ALZHEIMER

Publication  
**EP 1031034 A4 20041117 (EN)**

Application  
**EP 98957464 A 19981102**

Priority  
• US 9823198 W 19981102  
• US 6477997 P 19971110

Abstract (en)  
[origin: WO9924830A1] A method is provided for diagnosing Alzheimer's disease using human blood platelets wherein the presence or absence of functioning calcium-dependent potassium channels in blood platelets are determined by employing potassium channel blockers such as apamin or charybdotoxin, the absence of functioning calcium-dependent potassium channels indicating a positive diagnosis for Alzheimer's disease.

IPC 1-7  
**G01N 33/20**; **G01N 33/68**

IPC 8 full level  
**G01N 33/48** (2006.01); **G01N 33/50** (2006.01); **G01N 33/68** (2006.01); **G01N 33/487** (2006.01)

CPC (source: EP)  
**G01N 33/6896** (2013.01); **G01N 33/48707** (2013.01); **G01N 2800/2821** (2013.01)

Citation (search report)  
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• [A] US 5652111 A 19970729 - SOKOL PATRICIA TYSON [US], et al  
• [Y] DE SILVA H A ET AL: "Stimulation of potassium (86Rubidium) efflux from human platelets by external potassium and its inhibition by bumetanide: Evidence for Na/K/Cl co-transport", BRITISH JOURNAL OF PHARMACOLOGY, vol. 117, no. PROC. SUPPL., 1996, & MEETING OF THE BRITISH PHARMACOLOGICAL SOCIETY; LONDON, ENGLAND, UK; DECEMBER 13-15, 1995, pages 115P, XP008033752, ISSN: 0007-1188  
• [A] DE SILVA H A ET AL: "Effects of high external concentrations of K+ on 86Rb+ efflux in human platelets: Evidence for Na+/K+/2Cl- co-transport", CLINICAL SCIENCE (LONDON), vol. 91, no. 6, 1996, pages 725 - 731, XP008033753, ISSN: 0143-5221  
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• [A] ETCHEBERRIGARAY RENE ET AL: "Potassium channel dysfunction in fibroblasts identifies patients with Alzheimer disease", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 90, no. 17, 1993, pages 8209 - 8213, XP002291606, ISSN: 0027-8424  
• [T] DE SILVA H A ET AL: "Abnormal function of potassium channels in platelets of patients with Alzheimer's disease.", LANCET. 14 NOV 1998, vol. 352, no. 9140, 14 November 1998 (1998-11-14), pages 1590 - 1593, XP004265818, ISSN: 0140-6736  
• See references of WO 9924830A1

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

DOCDB simple family (publication)  
**WO 9924830 A1 19990520**; AU 1371699 A 19990531; AU 750582 B2 20020725; CA 2308371 A1 19990520; EP 1031034 A1 20000830; EP 1031034 A4 20041117; JP 2001523002 A 20011120

DOCDB simple family (application)  
**US 9823198 W 19981102**; AU 1371699 A 19981102; CA 2308371 A 19981102; EP 98957464 A 19981102; JP 2000519782 A 19981102