Title (en)
COMPOSITE HAPLOTYPE COUNTS FOR MULTIPLE LOCI AND ALLELES AND ASSOCIATION TESTS WITH CONTINUOUS OR DISCRETE PHENOTYPES

Title (de)
KOMBINIERTE HAPLOTYPWERTE FÜR MULTIPLE LOCI UND ALLELE UND ZUSAMMENHANGSSTUDIEN MIT KONTINUIERLICHEN UND KONKRETEN PHÄNOTYPEN

Title (fr)
DENOMBREMENTS D'HAPLOTYPES COMPOSITES POUR LOCI ET ALLELES MULTIPLES ET TESTS D'ASSOCIATION AVEC DES PHENOTYPES CONTINUS OU DISTINCTS

Publication
EP 1350212 A2 20031008 (EN)

Application
EP 01988909 A 20011022

Priority
• US 0145393 W 20011022
• US 69474800 A 20001023
• US 28878901 P 20010413
• US 32734801 P 20011004

Abstract (en)
[origin: WO0235442A2] Haplotype frequencies for a plurality of individuals are associated with a continuous trait. Each individual includes a pair of chromosomes having a plurality of markers thereon. Each marker has a pair of alleles for an individual. A haplotype includes a combination of alleles for a set of markers on a predetermined chromosome. A subset of markers from the set of markers that may correlate with the continuous trait, is selected. A value of the continuous trait, and a pair of alleles for each of the markers in the subset of markers, is obtained for each individual. For each individual, probabilities of haplotypes that are compatible with the alleles in the subset of markers is determined. Finally, a regression is performed on the probabilities of haplotypes that are compatible with the alleles in the subset of markers, for all the individuals, to determine correlation between the continuous trait and the haplotypes.

IPC 1-7
G06F 19/00; C12Q 1/68

IPC 8 full level
G16B 30/00 (2019.01); G16B 20/20 (2019.01); G16B 20/40 (2019.01)

CPC (source: EP US)
G16B 20/20 (2019.01 - EP US); G16B 20/40 (2019.01 - EP US); G16B 30/00 (2019.01 - EP US); G16B 20/00 (2019.01 - EP)

Citation (search report)
See references of WO 0235442A2

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

DOCDB simple family (publication)
WO 0235442 A2 20020502; WO 0235442 A3 20030731; EP 1350212 A2 20031008

DOCDB simple family (application)
US 0145393 W 20011022; EP 01988909 A 20011022