

Title (en)

PARTICLE BOARD COMPRISING A VULCANIZED SILICON BINDER FOR THE PRODUCTION OF CORKS

Title (de)

SILIKONHARZ-GEBUNDENE PARTIKEL FÜR DIE HERSTELLUNG VON STÖPSELN

Title (fr)

AGGLOMERE DE PARTICULES COMPRENANT UN LIANT SILICONE VULCANISE POUR LA FABRICATION DE BOUCHON

Publication

EP 1611204 A2 20060104 (FR)

Application

EP 04742391 A 20040330

Priority

- FR 2004000790 W 20040330
- FR 0304216 A 20030404

Abstract (en)

[origin: WO2004090039A2] The invention relates to the production of particle board comprising a vulcanized silicon composition. The aim of the invention is to provide a new raw material consisting of a particle board whose cohesiveness is provided by a cross-linked silicon binder and which can be used as raw material for the production of corks for wine bottles enabling good bottling and good winemaking. The binder comprises: (1) at least one vinyl polyorganosiloxane (POS), (2) at least one hydrogenated POS, (3) one platinum catalyst, (4) at least one POS resin (4.1) which is hydrogenated, which is optionally alkenated and/or associated with at least one other POS resin (4.2) which is alkenylated, (5) and optionally at least one cross-linking inhibitor/retarder. The particles are made of cork. However, the board can also comprise expandable plastic particles. The invention also relates to methods for the production of said particle board and corks.

IPC 1-7

C08L 83/07; **C08L 97/00**

IPC 8 full level

C08L 83/04 (2006.01); **C08L 83/07** (2006.01)

CPC (source: EP)

C08L 83/04 (2013.01); **C08G 77/12** (2013.01); **C08G 77/14** (2013.01); **C08G 77/16** (2013.01); **C08G 77/18** (2013.01); **C08G 77/20** (2013.01); **C08G 77/26** (2013.01); **C08G 77/70** (2013.01)

Citation (search report)

See references of WO 2004090039A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004090039 A2 20041021; **WO 2004090039 A3 20050120**; EP 1611204 A2 20060104; FR 2855179 A1 20041126; FR 2855179 B1 20070406

DOCDB simple family (application)

FR 2004000790 W 20040330; EP 04742391 A 20040330; FR 0304216 A 20030404