

Title (en)  
BINDER SYSTEMS AND PROCESSES USING THESE FOR DECARBURISATION FREE FROM COAL DUST FOR THE PRODUCTION OF BENTONITE BONDS AND GLASS CORES

Publication  
**EP 0363568 A3 19910327 (DE)**

Application  
**EP 89111374 A 19890622**

Priority  
HU 509388 A 19880930

Abstract (en)  
[origin: EP0363568A2] The application relates to a binder system for decarburisation free from coal dust, for the production of bentonite bonds and cast cores, characterised in that it contains 0.5-20 % by mass of vegetable lecithin or vegetable oil or a mixture thereof in any desired ratio, 0.1-5.5 % by mass of hardening agent, hardening-agent derivative or carboxymethylcellulose sodium or a mixture thereof in any desired ratio, 0.3-4.5 % by mass of sodium carbonate, 0.05-1.25 % by mass of boron compounds and the remainder to 100 % by mass of bentonite.

IPC 1-7  
**B22C 1/16**

IPC 8 full level  
**B22C 1/16** (2006.01); **B22C 1/18** (2006.01); **B22C 1/20** (2006.01); **B22C 1/24** (2006.01); **B22C 1/26** (2006.01)

CPC (source: EP US)  
**B22C 1/24** (2013.01 - EP US); **Y10S 106/04** (2013.01 - EP US)

Citation (search report)  
• [A] GB 120706 A 19181121 - HAMELIUS EDOUARD [FR]  
• [A] LU 58976 A1 19691112  
• [A] GB 653530 A 19510516 - OEL UND CHEMIE WERK A G  
• [A] WORLD PATENT INDEX, FILE SUPPLIER, Zusammenfassung AN=80-08250C, Derwent Publications Ltd, London, GB; & JP-A-54 159 331 (JIDOSHA IMONO K.K.) 17-12-1979

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI SE

DOCDB simple family (publication)  
**EP 0363568 A2 19900418; EP 0363568 A3 19910327**; BG 88908 A 19931224; ES 2020812 A6 19911001; GR 890100397 A 19901031; HU 201485 B 19901128; JP H02117738 A 19900502; US 5106418 A 19920421

DOCDB simple family (application)  
**EP 89111374 A 19890622**; BG 8890889 A 19890620; ES 8902168 A 19890621; GR 890100397 A 19890614; HU 509388 A 19880930; JP 15248389 A 19890616; US 36420689 A 19890609