

Title (en)
PROCESS FOR PRODUCING MODIFIED PHENOLIC RESINS

Publication
EP 0000834 B1 19811111 (EN)

Application
EP 78300246 A 19780803

Priority

- JP 9296977 A 19770804
- JP 10892077 A 19770912
- JP 11470977 A 19770926
- JP 13724477 A 19771117

Abstract (en)
[origin: US4158650A] {PG,1 A drying oil such as isomerized linseed oil, dehydrated castor oil or the like oil which has an iodine value of more than 140 and a content of conjugated double bonds of less than 50% is reacted with isopropenylphenol and/or oligomers thereof in an amount, by weight, of 0.1{14 2 times as great as that of the drying oil in the presence of a small amount of an acid at a temperature of 65{14 150{20 {0 C. for 0.5{14 3 hours. By the reaction, isopropenylphenol and/or its oligomers are introduced to the drying oil while leaving the double bonds of the oil as they are without disappearance. The thus introduced oil is further reacted with a phenol or phenols under strongly acidic conditions to introduce the phenols thereto. The drying oil which has been introduced with the isopropenylphenol and/or its oligomers and also with the phenols is mixed with a phenol or phenols and then reacted with formaldehyde to give a modified phenolic resin. This phenolic resin is useful for making a phenolic laminate with improved flexibility, punching quality and water proof.

IPC 1-7
C08G 8/32; **C08G 8/24**

IPC 8 full level
C08G 8/24 (2006.01); **C08G 8/32** (2006.01)

CPC (source: EP US)
C08G 8/24 (2013.01 - EP US); **C08G 8/32** (2013.01 - EP US)

Cited by
EP0018995A4; EP0405257A1

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0000834 A1 19790221; **EP 0000834 B1 19811111**; CA 1120187 A 19820316; DE 2861314 D1 19820114; US 4158650 A 19790619

DOCDB simple family (application)
EP 78300246 A 19780803; CA 308710 A 19780803; DE 2861314 T 19780803; US 92778078 A 19780725