

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

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**EP 78300246 A 19780803**; CA 308710 A 19780803; DE 2861314 T 19780803; US 92778078 A 19780725