

Title (en)

Modified phenolic resins, method for their preparation and their use as selective metal chelating agents.

Title (de)

Modifizierte Phenolharze, Verfahren zu ihrer Herstellung und ihre Verwendung als selektive Metall-chelataustauschharze.

Title (fr)

Résines phénoliques modifiées, procédé pour leur préparation et leur utilisation comme chélateurs sélectifs des métaux.

Publication

EP 0000090 A1 19781220 (EN)

Application

EP 78300011 A 19780601

Priority

AU PD033677 A 19770602

Abstract (en)

Modified phenolic resins are prepared by condensing approximately equimolar quantities of a phenolic component comprising one or more phenols, and a diamino component comprising one or more di-(secondary amino) compounds with approximately twice the molar quantity of formaldehyde under Mannich reaction conditions. Mercury and copper ions may be removed very selectively from aqueous solutions using the new resin.

IPC 1-7

C08G 14/06

IPC 8 full level

C08G 14/00 (2006.01); **B01D 15/04** (2006.01); **B01J 45/00** (2006.01); **C01G 3/00** (2006.01); **C01G 13/00** (2006.01); **C08G 8/28** (2006.01); **C08G 14/06** (2006.01)

CPC (source: EP US)

B01J 45/00 (2013.01 - EP US); **C01G 3/003** (2013.01 - EP US); **C01G 13/003** (2013.01 - EP US); **C08G 14/06** (2013.01 - EP US); **C22B 3/42** (2013.01 - EP US); **Y02P 10/20** (2015.11 - EP US)

Citation (search report)

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