

Title (en)
PROCESS FOR THE PREPARATION OF LOW MOLECULAR POLYHYDROXY COMPOUNDS

Publication
EP 0000912 B1 19801001 (DE)

Application
EP 78100659 A 19780814

Priority
DE 2738512 A 19770826

Abstract (en)
[origin: US4156636A] Low molecular weight polyhydroxyl compounds are made from formaldehyde hydrate by an improved process comprising adjusting the pH of an aqueous solution of formaldehyde and co-catalyst to 9-12 with calcium hydroxide at 80 DEG -110 DEG C. to begin condensation and then adding to this reaction mixture aqueous formalin and/or paraformaldehyde and calcium hydroxide to maintain a pH of 7.5-9.5 and temperature of 80 DEG -110 DEG C.

IPC 1-7
C07H 3/04; **C07H 3/02**; **C07C 49/17**; **C07C 47/19**; **C07C 31/18**; **C07C 29/14**; **C07C 29/00**

IPC 8 full level
C07C 29/38 (2006.01); **B01J 23/00** (2006.01); **B01J 31/00** (2006.01); **C07C 27/00** (2006.01); **C07C 29/00** (2006.01); **C07C 29/14** (2006.01); **C07C 29/141** (2006.01); **C07C 29/143** (2006.01); **C07C 29/145** (2006.01); **C07C 31/18** (2006.01); **C07C 45/00** (2006.01); **C07C 45/71** (2006.01); **C07C 45/72** (2006.01); **C07C 45/75** (2006.01); **C07C 47/19** (2006.01); **C07C 49/17** (2006.01); **C07C 67/00** (2006.01); **C07H 3/02** (2006.01); **C07H 3/04** (2006.01); **C08G 4/00** (2006.01); **C08G 6/00** (2006.01); **C08G 18/00** (2006.01); **C08G 18/32** (2006.01); **C08G 18/42** (2006.01); **C08G 18/48** (2006.01); **C08G 18/54** (2006.01)

CPC (source: EP US)
C07C 29/14 (2013.01 - EP US); **C07C 29/141** (2013.01 - EP US); **C07C 29/143** (2013.01 - EP US); **C07C 29/145** (2013.01 - EP US); **C07C 45/00** (2013.01 - EP US); **C07C 45/71** (2013.01 - EP US); **C07C 45/72** (2013.01 - EP US); **C07C 45/75** (2013.01 - EP US); **C07H 3/02** (2013.01 - EP US); **C07H 3/04** (2013.01 - EP US); **C08G 18/3209** (2013.01 - EP US); **C08G 18/4297** (2013.01 - EP US); **C08G 18/4829** (2013.01 - EP US)

C-Set (source: EP US)
1. **C07C 45/00 + C07C 49/17**
2. **C07C 45/71 + C07C 49/17**
3. **C07C 45/71 + C07C 47/19**
4. **C07C 45/72 + C07C 47/19**
5. **C07C 45/75 + C07C 47/19**
6. **C07C 29/14 + C07C 31/18**
7. **C07C 29/141 + C07C 31/18**
8. **C07C 29/143 + C07C 31/18**
9. **C07C 29/145 + C07C 31/18**

Cited by
EP0017503A3; EP0009552A3; EP0468320A1; FR2482087A1; EP0007100A3; EP0007102A3

Designated contracting state (EPC)
BE CH DE FR GB LU NL

DOCDB simple family (publication)
EP 0000912 A1 19790307; **EP 0000912 B1 19801001**; DE 2738512 A1 19790308; DE 2860196 D1 19810108; IT 1106276 B 19851111; IT 7850837 A0 19780824; JP S5446288 A 19790412; JP S6233219 B2 19870720; US 4156636 A 19790529

DOCDB simple family (application)
EP 78100659 A 19780814; DE 2738512 A 19770826; DE 2860196 T 19780814; IT 5083778 A 19780824; JP 10297878 A 19780825; US 93456778 A 19780817