

Title (en)
PROCESS FOR THE PREPARATION OF SERINE-N,N-DIACETIC ACID AND ITS DERIVATIVES

Publication
EP 0287885 B1 19920129 (DE)

Application
EP 88105376 A 19880402

Priority
DE 3712329 A 19870411

Abstract (en)
[origin: US4973730A] Serine-N,N-diacetic acid and derivatives thereof are prepared in various ways and used in particular as complexing agents, bleaching agent stabilizers and builders in detergents.

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C07C 229/32; C07C 255/18; C11D 3/33

IPC 8 full level
C11D 3/26 (2006.01); **C07C 67/00** (2006.01); **C07C 229/22** (2006.01); **C07C 229/32** (2006.01); **C07C 231/00** (2006.01); **C07C 231/12** (2006.01); **C07C 237/06** (2006.01); **C07C 253/00** (2006.01); **C07C 255/18** (2006.01); **C07C 255/24** (2006.01); **C09K 3/00** (2006.01); **C11D 3/33** (2006.01); **C11D 3/39** (2006.01)

CPC (source: EP US)
C11D 3/33 (2013.01 - EP US); **C11D 3/394** (2013.01 - EP US)

Cited by
EP0745582A3; US5362412A; RU2706358C2; EP0356947A3; EP0745581A3; EP0379109A3; US5025103A; US10519097B2; WO9426691A1; WO2016180664A1; WO9412606A1; WO9859027A1

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

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EP 0287885 A1 19881026; EP 0287885 B1 19920129; AT E72229 T1 19920215; AU 1446388 A 19881013; AU 608592 B2 19910411; CA 1313673 C 19930216; DE 3712329 A1 19881020; DE 3868118 D1 19920312; ES 2028924 T3 19920716; JP S63267751 A 19881104; US 4973730 A 19901127; US 5019296 A 19910528

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EP 88105376 A 19880402; AT 88105376 T 19880402; AU 1446388 A 19880411; CA 563543 A 19880407; DE 3712329 A 19870411; DE 3868118 T 19880402; ES 88105376 T 19880402; JP 8549588 A 19880408; US 17736688 A 19880404; US 56332690 A 19900807