 Inventor: michel alas;

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Preparation of acid anhydride

[EP](#) [JP](#) [AT](#) [CA](#) [DE](#) [ES](#) [FR](#) [IE](#) · [JPH01238577A](#) · [Michel Alas](#) · Rhone Poulenc Chim

Priority 1987-11-20 · Filed 1988-11-19 · Published 1989-09-22

Process for preparing acid anhydrides by passing a solution of this acid over an acidified clay.

Process for producing acid anhydrides

[US](#) · [US6018057A](#) · [Michel Alas](#) · Rhodia Chimie

Priority 1987-11-20 · Filed 1993-07-07 · Granted 2000-01-25 · Published 2000-01-25

A process for producing anhydrides by passing a solution of the acid, preferably an organic polyacid, which is to undergo anhydridation over an acidified clay and a process for producing the catalysts therefor.

Process for the preparation of a cyclic ketone

[EP](#) [JP](#) [DE](#) [ES](#) [FR](#) · [EP0626364A1](#) · [Michel Alas](#) · Rhone-Poulenc Chimie

Priority 1993-05-28 · Filed 1994-05-20 · Published 1994-11-30

The subject of the present invention is a process for the preparation of a cyclic ketone from a dicarboxylic acid by decarboxylation and cyclisation. The process of preparation of the invention is characterised in that the reaction is carried out in the presence of an effective amount of a ...

Process for the preparation of a cyclic ketone

[EP](#) [US](#) [JP](#) [DE](#) [ES](#) [FR](#) · [FR2705666A1](#) · [Alas Michel](#) · Rhone Poulenc Chimie

Priority 1993-05-28 · Filed 1993-05-28 · Published 1994-12-02

The present invention relates to a process for preparing a cyclic ketone from a dicarboxylic acid by decarboxylation and cyclization. The preparation process of the invention is characterized by the fact that the reaction is carried out in the presence of an effective amount of a metal or ...

Production of alkaline earth metal or zinc salts of beta-dicarbonyl compounds ...

[WO](#) [AU](#) [FR](#) · [FR2775971A1](#) · [Michel Alas](#) · Rhodia Chimie Sa

Priority 1998-03-12 · Filed 1998-03-12 · Published 1999-09-17

Production of alkaline earth metal or zinc salt of a beta -dicarbonyl compound (I) selected from beta -keto esters and beta -diketones by reacting (I) with an alkaline earth metal or zinc oxide (II) in a (I):(II) molar ratio in absence of solvent is effected in apparatus comprising mechanical ...

Composition for stabilizing chlorinated polymer containing beta-diketone

[EP](#) [US](#) [CN](#) [JP](#) [KR](#) [AT](#) [AU](#) [BR](#) [CA](#) [CZ](#) [DE](#) [DK](#) [ES](#) [FR](#) [PT](#) [SK](#) [TW](#) [ZA](#) · [JPH07207091A](#) · [Michel Alas](#) · Rhone Poulenc Chim

Priority 1993-12-15 · Filed 1994-12-13 · Published 1995-08-08

Stabilising composition for chlorine-containing polymer (PVC), characterised in that it comprises the unpurified crude product resulting from the reaction of an ester with a ketone in the presence of an alkaline agent, this crude product containing at least 10 % by weight of beta-diketone and ...

Preparation of cyclic ketones

[US](#) · [US5600013A](#) · [Michel Alas](#) · Rhone-Poulenc Chimie

Priority 1993-05-28 · Filed 1995-10-04 · Granted 1997-02-04 · Published 1997-02-04

Cyclic ketones, notably cyclopentanone and 2,2-dimethylcyclopentanone, are simply, economically and efficiently prepared, even on an industrial scale, by decarboxylating/cyclizing a dicarboxylic acid, in liquid phase, in the presence of a catalytically effective amount of a condensed or ...

Preparation of a calcium complex used as a PVC formulation stabilizer comprises ...

[FR](#) · [FR2798381A1](#) · [Michel Alas](#) · Rhodia Chimie Sa

Priority 1999-09-14 · Filed 1999-09-14 · Published 2001-03-16

Preparation of a complex of calcium and a beta -dicarbonyl compound comprises reacting calcium (hydr)oxide with the beta -dicarbonyl compound in a solvent from 1-6C saturated alcohols and/or 2-6C ethers in a ratio of solvent to Ca (hydr)oxide of 1-10.

Preparation of citraconic anhydride

[EP](#) [US](#) [CN](#) [JP](#) [DE](#) [FR](#) · [JPH09117296A](#) · [Michel Alas](#) · Rhone Poulenc Chim

Priority 1995-06-21 · Filed 1996-06-20 · Published 1997-05-06

PROBLEM TO BE SOLVED: To continuously produce citraconic anhydride from by-products, etc., formed in producing itaconic acid by continuously introducing the itaconic acid or a raw material containing the itaconic acid into a reactoinal medium at a temperature so as to keep the itaconic acid in a ...

Stable concentrated rare earth carboxylate liquids

[WO](#) [EP](#) [US](#) [CN](#) [JP](#) [KR](#) [AT](#) [AU](#) [BR](#) [CA](#) [DE](#) [DK](#) [ES](#) [TW](#) [ZA](#) · [AU3369299A](#) · [Michel Alas](#) · Rhodia Rare Earths Inc.

Priority 1998-04-17 · Filed 1999-03-30 · Published 1999-11-08

Stable Rare Earth carboxylate liquids having high concentrations of Rare Earths and suitable for use in forming active Ziegler Natta catalysts, are prepared with stabilizing agents such as water and/or acid. The liquids comprise from about 4.5% to about 20% Rare Earth element(s). A novel process ...

Method for preparing tris(ether-amine)

[WO](#) [EP](#) [US](#) [JP](#) [AT](#) [AU](#) [CA](#) [DE](#) [DK](#) [ES](#) [FR](#) [IL](#) · [EP1129065A1](#) · [Michel Alas](#) · Rhodia Chimie

Priority 1998-11-09 · Filed 1999-11-09 · Published 2001-09-05

The invention concerns a method for preparing tris(ether-amines) of formula (I): N[A-O-(B-O)nR]3 wherein R, A, B and n are as defined in Claim 1, comprising the reaction, in liquid phase, of an alkylene-glycol monoether of formula (II): HO-A-O-(B-O)nR wherein R, A, B and n are as defined in Claim ...

Preparation of citraconic anhydride

[EP](#) [US](#) [CN](#) [JP](#) [DE](#) [FR](#) · [US5670659A](#) · [Michel Alas](#) · Rhone-Poulenc Chimie

Priority 1994-01-28 · Filed 1995-01-30 · Granted 1997-09-23 · Published 1997-09-23

Citraconic anhydride is prepared in a single step by heating itaconic acid, optionally in an inert organic solvent medium, in the presence of a catalytically effective amount of an at least partially organic acid/base catalyst compound having a pKa ranging from 4 to 10, in particular a salt ...

Use of an acid of mean strength as isomerisation catalyst of an epoxide with a ...

WQ EP CN JP AU FR • AU8343198A • Michel Alas • Rhodia Chimie
 Priority 1997-06-24 • Filed 1998-06-24 • Published 1999-01-04

Two component composition comprising an alkaline earth metal hydroxide and a ...

WQ EP CN AU FR TW • ER2843400A1 • Michel Alas • Rhodia Chimie Sa
 Priority 2002-08-08 • Filed 2002-08-08 • Published 2004-02-13
 A composition comprising: (a) an alkaline earth metal hydroxide; and (b) a mixture based on 1 - 95% wt. of beta-dicarbonylated compounds and 5 - 99% wt of by-products, the mixture being obtained from the products of condensation of an ester and a ketone in the presence of an alkali. Independent ...

MANUFACTURING PROCESS OF OPTICALLY ACTIVE LACTIC ESTERS.

EP AT BR DE FR IE PT • DE3863821D1 • Michel Alas • Rhone Poulenc Chimie
 Priority 1987-04-13 • Filed 1988-04-01 • Granted 1991-08-29 • Published 1991-08-29
 Process for the preparation of optically pure alkyl lactates by condensation of an enantiomer of lactic acid (A) with an alcohol (B) containing 1 to 12 carbon atoms, where: - the condensation of lactic acid (A) with an excess of alcohol (B) is carried out in at least one enclosure in the absence ...

Preparation of solid, powdery rare earth carboxylates by evaporation method

WQ EP US CN JP KR AU BR CA • US6054563A • Michel Alas • Rhodia Chimie
 Priority 1997-03-05 • Filed 1998-01-22 • Granted 2000-04-25 • Published 2000-04-25
 A process for producing solid, powdery carboxylates of Rare Earths (RE) elements, among them mainly Nd, La, Pr and Ce, where the ligands coordinated to the metal are long-chain, branched carboxylic acids is provided. Preferably, the carboxylic acids are selected from the group consisting of: 2- ...

Process for the preparation of esters of racemizable acids

EP DE FR • EP0517571B1 • Michel Alas • Rhone-Poulenc Chimie
 Priority 1991-06-05 • Filed 1992-06-01 • Granted 1996-01-31 • Published 1996-01-31
 A process for the preparation of a readily isomerisable ester, characterised in that it comprises a step (a) of esterification of an optically active ammonium carboxylate with an alcohol, where the reaction medium is subjected to a reduced pressure, preferably of 10³ Pascal to 10⁶ Pascal, more ...

Method for preparing ketones by pyrogenic reaction of aldehydes, alcohols, ...

WQ EP US CN JP KR AU FR ZA • EP1222156A1 • Michel Alas • Rhodia Chimie
 Priority 1999-10-20 • Filed 2000-10-20 • Published 2002-07-17
 The invention concerns a method for preparing ketones of formula (I) wherein A and B are as defined in Claim 1, consisting in reacting at a temperature ranging between 250 and 500 °C a compound of formula (II): A - X with a compound of formula (III): B - Y, wherein A, B, X and Y are as defined in ...

Preparation of solid, powdery rare earth carboxylates by evaporation method

• MXPA98009188A • Alas Michel • Rhodia Chimie
 Priority 1997-03-05 • Filed 1998-11-04 • Published 1999-09-01
 A process for producing solid, powdery carboxylates of Rare Earths (RE) elements, among them mainly Nd, La, Pr and Ce, where the ligands coordinated to the metal are long-chain, branched carboxylic acids is provided. Preferably, the carboxylic acids are selected from the group consisting of: 2- ...

Preparation of solid, powdery rare earth carboxylates by evaporation method

MY ZA • MY133029A • Michel Alas • Rhodia Chimie Sa
 Priority 1997-03-05 • Filed 1998-03-04 • Published 2007-10-31
 A PROCESS FOR PRODUCING SOLID, POWDERY CARBOXYLATES OF RARE EARTHS (RE) ELEMENTS, AMONG THEM MAINLY ND, LA, PR AND CE, WHERE THE LIGANDS COORDINATED TO THE METAL ARE LONG-CHAIN, BRANCHED CARBOXYLIC ACIDS IS PROVIDED. PREFERABLY, THE CARBOXYLIC ACIDS ARE SELECTED FROM THE GROUP CONSISTING OF: 2- ...

PREPARATION OF BETA-DICARBONYL COMPOUNDS COMPRISING TWO SUCCESSIVE STEPS ...

FR • FR2842519B1 • Michel Alas • Rhodia Chimie Sa
 Priority 2002-07-18 • Filed 2002-07-18 • Granted 2007-03-16 • Published 2007-03-16

Process for separating a hydroxybenzointrile-type compound

WQ EP US JP AU FR • US20060149093A1 • Michel Alas • Jean-Francis Spindler
 Priority 2000-06-14 • Filed 2001-06-13 • Published 2006-07-06
 The invention concerns a method for separating a hydroxybenzointrile-type compound obtained by an amination/dehydration process. More particularly, the invention concerns 2-hydroxybenzointrile, also called 2-cyanophenol. The inventive method for separating a hydroxybenzointrile compound from a ...

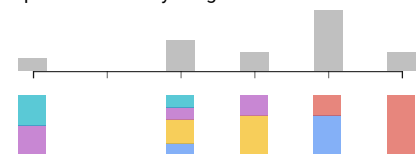


Preparacion de carboxilatos de tierras raras en polvo, solidos por el metodo de ...

• MXPA98009188A • Alas Michel • Rhodia Chimie
 Priority 1997-03-05 • Filed 1998-11-04 • Published 1999-09-01
 La presente invención se refiere a un proceso para producir carboxilatos sólidos, en polvo de elementos de Tierras Raras (ER), entre los mismos principalmente Nd, La, Pr y Ce, donde los ligandos coordinados para el metal son ácidos carboxílicos de cadena grande, ramificada. Preferiblemente, se ...

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