

#### Search history

Search 1: TAC=(crude and castilla) (Results 5)

#### 1) Family number: 43685593 (CO4370776A)

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**Title:** METODO PARA LA ELABORACION DE UN PRODUCTO ASFALTICO EN FRIO A PARTIR DE CRUDOS MEJORADOS METHOD FOR THE PREPARATION OF A COLD ASPHALT PRODUCT FROM RAW IMPROVED (Machine translation)

**Abstract:** Source: CO4370776A UN METODO PARA LA PREPARACION EN FRIO DE ASFALTO A PARTIR DE CRUDOS O CRUDOS MEJORADOS, UTILIZANDO LA MAYOR CANTIDAD DEL CRUDO NATURAL QUE PRESENTE MAYOR SEMEJANZA AL COMPORTAMIENTO DEL CEMENTO AS- FALTICO Y MENOR CANTIDAD DE SOLVENTES AGREGADOS, COMPRENDIENDO: ss FORMULAR LOS PORCENTAJES DEL LIGANTE ASFALTICO A PARTIR DE LOS RESULTADOS DE MAXIMO O MEJOR COM- PORTAMIENTO, CON MAXIMA ESTABILIDAD Y MINIMOS DE ESPACIOS VACIOS DEL AGREGADO MINERAL, VARIANDO PA- RA ELLO LAS MEZCLAS DEL ASFALTO NATURAL AGREGANDO UN ADITIVO POLIMERIO ADHERENTE. A PARTIR DE CAN- TIDADES RELATIVAS DE 70 Y 80 percent DE CEMENTO ASFALTICO ENTRE 10 Y 20 percent DE SOLVENTES DE DIFERENTE VOLATILI- DAD; ASFALTENOS ENTRE 22 Y 30 percent; MALTENOS ENTRE 70 Y 80 percent DE CONTENIDO EN PESO Y LAS CANTIDADES ME- NORES AL 1 percent DEL ADITIVO POLIMERO AGREGADO QUE AU- MENTA SUS PROPIEDADES PARA MAXIMOS RESULTADOS ME- CANICOS DE ADHERENCIA, EXTRUCCION Y ABSORCION E IN- CHAMIENTO. ss COMBINAR CON EL AGREGADO PETREO EL LIGANTE AS- FALTICO QUE PRESENTE MEJORES AFINIDADES COMO ELE- MENTO ADHESIVO EN PRESENCIA DE AGUA, MEJOR ESTABI- LIDAD, CONSISTENCIA, CARACTERIZACION DINAMICA Y COMPORTAMIENTO A LA FATIGA, CON UN MINIMO PORCEN- TAJE DE VACIOS DEL AGREGADO MINERAL. ss CURADO HASTA PERDER MAS DEL 80 percent DE SOLVENTES EN PERIODOS INDICE DE CURADO, MAYOR DE 3 DIAS Y MENOR A 5. FIGURA 1 A METHOD FOR THE PREPARATION COLD ASPHALT from raw or uncooked IMPROVED USING THE GREATER OF THIS MAJOR NATURAL crude resemblance to BEHAVIOR OF CEMENT AS-FALTICO and fewer ADDED SOLVENTS, comprising: ss FORMULAR percentages ASPHALT BINDER FROM THE RESULTS OF MAXIMUM OR BEST BEHAVIOR WITH MAXIMUM STABILITY AND MINIMUM MINERAL AGGREGATE BLANKS varying PA-RA IT NATURAL ASPHALT MIXTURES ADDING AN ADDITIVE POLIMERIO adherent. FROM relative amounts of 70 to 80 percent asphalt cement between 10 and 20 percent DIFFERENT SOLVENT volatility; Asphaltenes between 22 and 30 percent; Malthene between 70 and 80 percent CONTENT BY WEIGHT AND ME- NORES AMOUNTS OF AL 1 percent polymer additive which increases ADDED PROPERTIES FOR MAXIMUM RESULTS mechani- cal adhesion and absorption E IN- EXTRUCCION CHAMIENTO. ss COMBINE WITH AS-stone aggregate binder FALTICO SIMILARITIES TO THIS BEST as an element LABEL IN THE PRESENCE OF WATER, BEST stability, consistency, dynamic characterization and fatigue performance, with a minimum percentage of voids ADDED MINERAL. ss Cured to lose more than 80 percent of solvents in PERIODS cure index, MAYOR OF 3 DAYS AND LESS THAN 5 Figure 1

#### Classifications:

**International (IPC 8-9):** C08L95/00 (Advanced/Invention);

C08L95/00 (Core/Invention)

**International (IPC 1-7):** C08L95/00

#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CO4370776 A1       | 19961007         | CO19940015178      | 19940415         |

#### Priority:

CO19940015178 19940415

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#### 2) Family number: 15762726 (US6277786B)

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**Title:** Herbicide comprising phytotoxins of Lasiodiplodia theobromae (LT) fungus, a process of producing the herbicide and a method of using the same

**Abstract:** Source: US6277786B The invention relates to describe host-specific extracellular phytotoxins produced by Lasiodiplodia theobromae (LT, also Botryodiplodia theobromae) that has a broad range as a pre-emergent and/or post-emergent bioherbicide, this isolate has been deposited in Microbial Type Culture Collection, Chandigarh, India and given an accession number MTCC 3068, a method using LT-toxin has been developed for controlling certain herbs including Parthenium hysterophorus, duckweeds, jimsonweed, black nightshade, prickly sida and Euphorbia hirta, these phytotoxins can be used partially pure, as a cell-and spore-free filtrate, a crude filtrate, or a crude suspension of the culture and optionally along with other additives.

#### Classifications:

**International (IPC 8-9):** A01N63/04 (Advanced/Invention);

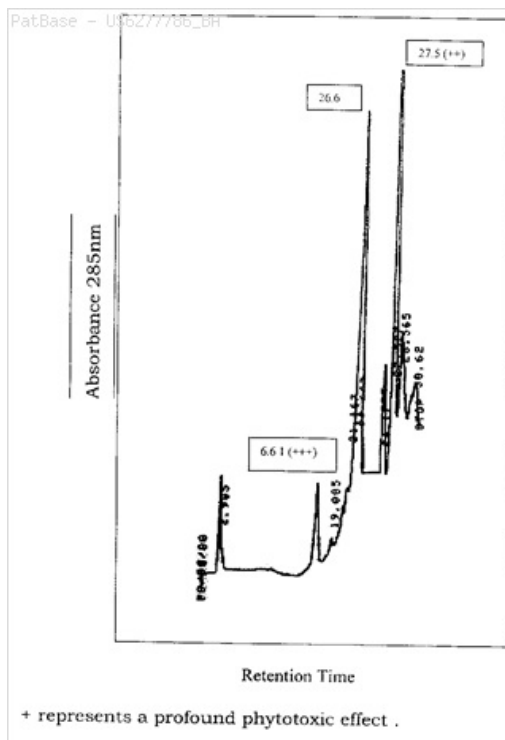
A01N63/04 (Core/Invention)

**International (IPC 1-7):** A01N63/4

**CPC:** A01N63/04

**European:** A01N63/04

**US:** 504/117



**Title:** COMPOSICION DE CEMENTO ASFALTICO COMPOSITION OF CEMENT ASPHALT (Machine translation)

**Abstract:** Source: CO7590128A La presente solicitud de patente de invencion se refiere a una Composicion de Cemento asfaltico caracterizada porque comprende entre un 83 percent hasta un 40 percent de cemento asfaltico del crudo Castilla y entre 17 percent al 60 percent de solventes y combustibles, entre los cuales se tienen Parafinas, Isoparafinas, Aromaticos y Naftenos, la cual se utiliza en la construccion de capas estabilizadas para la construccion de vias terrestres rurales. The present patent application for invention relates to a composition of asphalt cement characterized by containing between 83 percent to 40 percent asphalt cement crude Castilla and between 17 percent to 60 percent of solvents and fuels, including must Paraffins, isoparaffins and naphthenes Aromatics, which is used in building construction stabilized for rural land routes layers.

**Classifications:**

**International (IPC 8-9):** C08L95/00 (Advanced/Invention)

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CO7590128 A1       | 20160429         | CO20160018878      | 20160127         |

**Priority:**

CO20160018878 20160127

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**Title:** FUNGAL TREATMENT TO ENHANCE EXTRACTABLE RUBBER YIELD FROM PLANTS

**Abstract:** Source: US2016304830A Materials and methods to enhance extractable natural rubber yields from plants are disclosed. The materials and methods of the present invention can be used with minimal capital investment, and can provide new agricultural, manufacturing, sales, and transport jobs for local economies. The materials and methods described herein can also be used in conjunction with presently known natural rubber extraction methods to enhance extractable natural rubber yields. Also describe herein are methods for producing a crude enzyme extract for use in rubber extraction methods of the present invention.

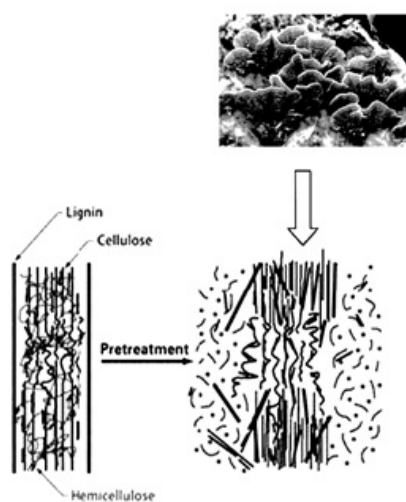
**Classifications:**

**International (IPC 8-9):** C07G1/00 C08L7/00 C12N1/14 C12N9/24 C12N9/42 C12P19/02 C12P19/12 (Advanced/Invention)

**CPC:** C12N1/14 C08L7/00 C07G1/00 C12P19/12 C12P19/02 C12N9/2437 C12N9/2402 C12N9/2482 C12Y302/01 C12Y302/01004 C12Y302/01007 C12Y302/01008 C08C1/00 C12R1/645

**US:** 435/100

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**Fungal-mediated hydrolysis of plant biomass**

FIG. 1

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2016304830 AA    | 20161020         | US20160098999      | 20160414         |

**Priority:**

US20150147081P 20150414 US20150168454P 20150529 US20160098999 20160414

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