

IPR ANALYTICS

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FTO SEARCH Submitted

to:

Address:

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Client Reference No:

Date: 07-Jun-2016

Patent Number: US8337814

Priority Date: 15-Dec-2005

Title: Treatment of active infections, sinusitis, rhinitis, and related neurological disorders and related compositions

Features to Search

E1: A method of delivering a medication aerosol for treating sinusitis or rhinitis, and related neurological disorders of the cranial cavity and facial tissue.

E2: The filter comprises pores; the medication aerosol and the liquid composition do not contain a surfactant and the liquid composition comprises one or more compounds selected from the group consisting of antifungals, leukotriene antagonists, anti-TNF compounds, antihistamines, mucolytics, estrogen and progesterone. The liquid composition also comprises an antibiotic, and wherein the antibiotic is selected from the group of antibiotic classes consisting of: cephalosporins, penicillins, aminoglycosides, quinolones, tetracyclines and macrolides and also antivirals selected from the group consisting of oseltamivir, acyclovir and rimantadine. Further includes, montelukast and zafirlukast, anti-inflammatory is selected from the group consisting of budesonide, betamethasone and mometasone, mucolytic is selected from the group consisting of acetylcysteine and dornase alpha.

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E3: The medication aerosol is made using a method comprising creating the medication aerosol by passing a liquid composition through a filter, and wherein the filter comprises pores, thereby forming the aerosol; and the medication aerosol and the liquid composition do not contain a surfactant.

Search Strategy

Database: AcclaimIP, USPTO, Patentscope, Espacenet, Google Patents.

Keywords:

Set 1	Sinusitis, Rhinitis, Congestion, Bronchitis, Cranial Cavity Congestion
Set 2	Aerosol, Puff, Medication aerosol
Set 3	Antibiotics, Antifungals, Cephalosporin
Set 4	Surfactants, Tensile reducer

US Classification Codes with definitions

425/43: Effervescent or Pressurized Fluid Containing

128/200.14: Liquid Medicament Atomizer or Sprayer

514/956: Gaseous or Gas Emitting Carrier or Propellant

International Classification Codes with definitions

A61K9/12: Aerosols; Foams

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A61K9/0078: Sprays or powders for inhalation; Aerolised or nebulised preparations generated by other means than thermal energy; for inhalation via a nebulizer such as a jet nebulizer, ultrasonic nebulizer, e.g. in the form of aqueous drug solutions or dispersions

A61K9/1075 : Micro emulsions or submicron emulsions; Preconcentrates or solids thereof; Micelles, e.g. made of phospholipids or block copolymers

Search Results 1

Patent/Publication Number: US7758886	
Title: Pharmaceutical aerosol composition	
Assignee/Applicant: Pari GmbH	
Filing Date: 14-Apr-2005 Priority	
Date: 15-Oct-2003	
Also Published as: US2005096332,CA2543649,DE10350717,EP1682147,JP2007509875,US2007004720,WO2005041973,AT444754	
Relevant Excerpt for E1	Claims: 1. An aerosolized pharmaceutical solution, comprising: aerosolized particles of the solution, which contains an antibiotic for treating sinusitis.

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Relevant Excerpt for E2	Claims: 1.the solution is formulated for nasal administration as an aqueous solution the antibiotic for treating sinusitis is selected from the group consisting of aminoglycosides; 43. The solution of claim 42, wherein the anti-infective is selected from the group consisting of Penicillins, Cephalosporins, Macrolides, Sulfonamides, Quinolones, aminoglycosides, BetaLactam antibiotics, Linezolid, Vancomycin, Amphotericin B, Azole antifungals and a
	combination thereof.
Relevant Excerpt for E3	Not Disclosed

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Search Results 2

Patent/Publication Number: US5508269	
Title: Aminoglycoside formulation for aerosolization	
Assignee/Applicant: Pathogenesis Corporation	
Filing Date: 19-Oct-1994 Priority	
Date: 19-Oct-1994	
Also Published as:	
AT183080,AU3952295,AU688166,CA2179305,DE69511374,DK0734249,EP0734249,ES2136883,GR3031770,JPH09511254,JP3474195,WO9612471	
Relevant Excerpt for E1	Claims: 1.An aerosol formulation for suppression and inhibition of at least 95% of susceptible bacteria in endobronchial space of a patient suffering from the endobronchial infection, said formulation administered by aerosolization
Relevant Excerpt for E2	Claims: 1. said formulation comprising from about 200 mg to about 400 of aminoglycoside dissolved in about 5 ml of solution containing about 0.225% of sodium chloride;

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Relevant Excerpt for E3	Claims: 9. A method for treatment of Pseudomonas aeruginosa bacteria end bronchial infections by providing patient in need of such treatment an aerosol formulation comprising about 300 mg of tobramycin dissolved in about 5 ml of solution containing 0.225% of sodium chloride;
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Search Results 3

Patent/Publication Number: [US7128897](#)

Title: Aerosolized anti-infectives, anti-inflammatories, and decongestants for the treatment of sinusitis

Assignee/Applicant: Naryx Pharma Inc

Filing Date: 28-Aug-2002

Priority Date: 06-Jul-1999

Also Published as:

ZA200401593,ZA200200278,WO03020219,WO0102024,US2007031344,US2002197212,US2002061281,US2003031631,US6576224 ,MXPA04001763,JP2008013580,JP2005508314,JP2003507325,HU0600332,HU0202311,EP1420760,EP1207912,CA2456904,CA2375748,AU2002361918,AU6341300,AU779077,US2004204399

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Relevant Excerpt for E1	Claims: 1. An aerosolized pharmaceutical solution, comprising: aerosolized particles of the solution, which contains an antibiotic for treating sinusitis.
Relevant Excerpt for E2	Claims: 1.the antibiotic for treating sinusitis is selected from the group consisting of aminoglycosides; 2. The solution of claim 1, wherein the solution further comprises an anti-infective, an anti-inflammatory, a mucolytic agent or a combination thereof.
Relevant Excerpt for E3	Not Disclosed