

## Patents

#	Authors	Title	Country, City
Document No.	Registration Date		
1	M.R. Vaezi	<a href="#">Synthesis of Zinc Oxide Nano-powder by Solochemical Method</a>	Iran, Te
S.K. Sadrnezhaad			
2	S.K. Sadrnezhaad	<a href="#">Synthesis of Manganese Oxide and Nickel Oxide Nano-layers Applicable in Thin Film Gas Sensors by Two-Stage Chemical Dipping Method</a>	
M.R. Vaezi			
3	K. Sadrnezhaad	<a href="#">Synthesis of Zinc Oxide Nano-layers by Two-Stage Chemical Dipping Method Applicable in Optics and Gas Sensors</a>	Iran, Tehran
M.R. Vaezi			
4	E. Ahmadi	<a href="#">Production of Nickel Titanium Memory Alloy by Electron Beam Melting Method</a>	Iran, Tehran
S.K. Sadrnezhaad			
5	M.R Vaezi	<a href="#">Production of Thin Films of Tin Oxide by Anneal Controlled Sol Gel</a>	
M. Fathimoghaddam			
S.K. Sadrnezhaad			
J. Sheikhi			

<u>Process</u>	Iran, Tehran	40131	38601192
6 S.K. Sadrnezhaad	S.A. Hosseini <a href="#">Production of NiTi Memory Implant Pieces via Powder Metallurgy</a>		Iran,
7 S.K. Sadrnezhaad A.A. Behnam Ghader <u>Cements</u>	J. Nurmohamadi <a href="#">Production of New Glass based on Iron Oxide used in Glass Ionomer</a>	Iran, Tehran	44674 38608442
8 M. Mazloumi S. Zangeneh M.S. Mohajerani A. Kajbaf S.K. Sadrnezhaad <u>Hydrothermal Method</u>	A. Lak <a href="#">Production of Hydroxyapatite Dahlia-like Nanostructures by</a>	Iran, Tehran	44830
9 M. Mazloumi S. Zangeneh M.S. Mohajerani A. Kajbaf S.K. Sadrnezhaad <u>Nanostructures using Microwave Radiation</u>	A. Lak <a href="#">Production of Flowerlike Lanthanum Hydroxide {La(OH)3}</a>	Iran, Tehran	
10 A. Lak M. Mazloumi S. Zangeneh M.S. Mohajerani A. Kajbaf S.K. Sadrnezhaad <a href="#">Production of Nanohydroxyapatite by Microwave</a>		Iran, Tehran	44832

11

A. Lak  
M. Mazloumi  
S. Zangeneh  
M.S. Mohajerani  
A. Kajbaf  
S.K. Sadrnezhaad

[Production of Zinc Oxide Hollow Microspheres from Nanometric Zinc Oxide Particles](#)

Iran, Tehran	44833	38608682	2007
--------------	-------	----------	------

12

A. Lak  
M. Mazloumi  
S. Zangeneh  
M.S. Mohajerani  
A. Kajbaf  
S.K. Sadrnezhaad

[Production of Spherical Flowerlike Zinc Oxide using Microwave Radiation](#)

Iran, Tehran	44834	38608683	2007
--------------	-------	----------	------

13

M.S. Mohajerani  
M. Mazloumi  
S. Zangeneh  
A. Kajbaf  
A. Lak  
S.K. Sadrnezhaad

[Production of Flowerlike Boehmite Nanostructures using Hydrothermal Method](#)

Iran, Tehran	44835	38608684	2007
--------------	-------	----------	------

14

M.S. Mohajerani  
M. Mazlumi  
S. Zangeneh  
A. Kajbaf  
A. Lak  
S.K. Sadrnezhaad

[Production of Wirelike Zinc Oxide Nanostructures by Microwave Method](#)

Iran, Tehran

15

M.S. Mohajerani

M. Mazlumi  
S. Zangeneh  
A. Kajbaf  
A. Lak  
S.K. Sadrnezhaad

[Production of Nanograin Cerium Oxide by Hydrothermal Method](#)

Iran, T

16

M. Mazlumi  
S.K. Sadrnezhaad

[Production of Alpha Alumina Nanopowder using Bayer Synthetic Liquor](#)

Iran, Tehran

17

J. Nurmohamadi  
S.K. Sadrnezhaad  
A.A. Behnam Ghader

[Production of New Bioactive Glass based on  \$\text{CaSiO}\_3\text{-Ca}\_3\(\text{PO}\_4\)\_2\$  System](#)

Iran, Tehran

44973

38608441

2007

18

J. Nourmohamadi  
S.K. Sadrnezhaad  
A.A. Behnam

[Production of New Bioactive Bone Like Cements based on Polyacrylic Acid - Aluminosilicate Calcium Glass](#) Iran, Tehran 45440 38609583

19  
S.K. Sadrnezhaad  
D. Hosseini

Y. Bahari

[Synthesis of Nickel Oxide Nano-powder by Chemical Precipitation](#)

Iran,

20  
M.R. Shayegh  
M. Mazloumi  
A. Kajbaf  
S. Zangeneh  
S. Rahimi

A. Moghadas

[Production of Titanium Oxide Nanorods by Hydrothermal Method Using Potassium Hydroxide](#) Iran, Tehran 51188

21  
M. Mazloumi  
A. Kajbaf  
M.R. Shayegh  
S. Rahimi  
A. Moghadas  
S.K. Sadrnezhaad

S. Zangeneh

[Selfassembly and Production of Flowerlike Bohemite Nanostructures](#)

Iran

22  
S. Zangeneh  
A. Kajbaf  
B. Shayegh  
N. Zangeneh  
E. Kajbaf

M.R. Shayegh

[Nanocomposite Rhombus Zinc Oxide - Lead Oxide by Ultrasonic Waves](#) Iran, Tehran 51856 387051398

23	Shayegh N. Zangeneh E. Kajbaf M.R. Shayegh S. Zangeneh A. Kajbaf S.K. Sadrnezhaad	<a href="#">Production of Nanoparticles Titanium Oxide via Hydrothermal Method by 2 Molar KOH</a>	Iran, Tehran	51857	387
24	N. Zangeneh E. Kajbaf B. Shayegh S. Zangeneh A. Kajbaf M.R. Shayegh S.K. Sadrnezhaad	<a href="#">Production of Capsule-Shape Nanostructures of Lanthanum Hydroxide via Hydrothermal Method</a>	Iran, Tehran		51858
25	B. Shayegh N. Zangeneh E. Kajbaf M.R. Shayegh S. Zangeneh A. Kajbaf S.K. Sadrnezhaad	<a href="#">Production of Flower-Like Nanostructures of Lead Oxide 3PbO.H2O via Chemical Method from Solution</a>	Iran, Tehran		51859
26	M.R. Shayegh A. Moghadas S. Rahimi A. Kajbaf S. Zangeneh S.K. Sadrnezhaad	<a href="#">Production of Zinc-Hydroxiapatite Nanocomposite Using Ultrasound Waves</a>	Iran, Tehran	51860	387051309
27	N. Zangeneh B. Shayegh A. Moghadas S. Rahimi				

	A. Kajbaf S.K. Sadrnezhaad	<a href="#">Production of Zinc-Aluminum Oxide Nanocomposite Using Ultrasonic Waves</a>	Iran, Tehran	51861	387051402
28	A. Moghadas S. Rahimi E. Kajbaf S. Zangeneh S.K. Sadrnezhaad	<a href="#">Production of Hydroxiapatite Nanosheets by Microwave Method</a>			Iran,
29	B. Shayegh N. Zangeneh A. Kajbaf M.R. Shayegh S. Zangeneh S.K. Sadrnezhaad	<a href="#">Production of Flower-Like Nanostructures of Aluminum Hydroxide Comprising Self Accommodating Nanoplanes of Aluminum Hydroxide</a>	E. Kajbaf		Ir
30	N. Zangeneh M.R. Shayegh A. Moghadas S. Rahimi S.K. Sadrnezhaad	<a href="#">Production of Flower-Like Nanostructures of Zinc Oxide-Lead Oxide by Hydrothermal Method</a>	E. Kajbaf	Iran, Tehran	51871
31	M.R. Shayegh A. Moghadas S. Rahimi A. Kajbaf S.K. Sadrnezhaad	<a href="#">Production of Zinc Oxide-Copper Oxide by Microwave Method</a>	N. Zangeneh		Iran, T

32

S. Rahimi

E. Kajbaf  
N. Zangeneh  
M.R. Shayegh  
A. Moghadas

S.K. Sadrnezhaad  
[Microwave Method](#)

[Production of Amaryllis-Like Zinc Oxide Nanostructures by](#)

Iran, Tehran

51874

33

N. Zangeneh

M.R. Shayegh  
A. Moghadas  
S. Rahimi  
A. Kajbaf

S.K. Sadrnezhaad  
[Nanoparticles](#)

[Production of Lantanium Oxide-Cerium Oxide Composite  
by Microwave Method](#)

Iran, Tehran

34

N. Zangeneh  
E. Kajbaf  
B. Shayegh  
S. Zangeneh  
A. Kajbaf  
M.R. Shayegh  
S.K. Sadrnezhaad

[Coating of Hegzagonal Micrometric Zinc Oxide Rod  
by Aluminum Hydroxide  
Nanoparticles](#)

Iran, Tehran

35

S. Zangeneh

M.R. Shayegh  
A. Moghadas  
S. Rahimi  
A. Kajbaf

S.K. Sadrnezhaad  
[Ultrasonic Microwaves](#)

[Production Hollow Spheres Containing Zinc Oxide Nanorods by](#)

Iran, Tehran

51880



36

S. Zangeneh

M.R. Shayegh

A. Moghadas

S. Rahimi

S.K. Sadrnezhaad

[Production of PbO Sheets with Nanometric Thickness by](#)

[Hydrothermal Method](#)

Iran, Tehran

51881

37

A. Kajbaf

M.R. Shayegh

S. Zangeneh

E. Kajbaf

B. Shayegh

N. Zangeneh

S.K. Sadrnezhaad

[Production of Zinc Oxide-Molibdenum Oxide Composite Nanowires by Microwave Method](#)

Iran,

38

S. Zangeneh

A. Kajbaf

M.R. Shayegh

N. Zangeneh

E. Kajbaf

B. Shayegh

S.K. Sadrnezhaad

[Production of Dahlia-like Cadmium Phosphate Nanostructures by](#)

[Hydrothermal Method](#)

Iran, Tehran

51883

39

E. Kajbaf

B. Shayegh

N. Zangeneh

A. Kajbaf

M.R. Shayegh

S. Zangeneh

S.K. Sadrnezhaad

[Production of Flower-like Zinc Oxide-Lead Oxide Nanowires by Microwave Method](#)

Iran, Tehran	51884	387051396	2008
40	M.A. Bazargan		
M. Naghavi			
M. Mazaheri			
Z. Razavi			
A. Eskandari			
M. Haghghatzadeh			
A.M. Zahedi			
S.K. Sadrnezhaad			

[Simultaneous Production of Powder and Relaxor Part of Magnesium Lead Niobate by Single Step Sintering of MgO, PbO and Nb](#)[205](#)

Iran, Tehran	54179	38708176	2008
41	M. Mazaheri		
Z. Razavi			
A.M. Zahedi			
A. Eskandari			
A.M. Bazargan			
M. Naghavi			
M. Haghghatzadeh			
S.K. Sadrnezhaad			

[Fabrication of Rutile Nano-Photocatalyst via Two-Step Sintering](#)

Iran, Tehran	54177	38708177	2008
42	Y. Bahari		
D. Hosseini			
S.K. Sadrnezhaad			
A. Safeiei Alavijeh			
M. Sahafzadeh			

[Production of Nickel Nano-powder by Non-aqueous Chemical Precipitation](#)

Iran, Tehran	56549	38710739	2009
43	N. Hassanzadeh		
S. Ryazati			
S.K. Sadrnezhaad			
		<a href="#">Application of NiTi Alloy from Superelastic to Shape Memory</a>	

44

S.K. Sadrnezhaad  
B. Adimi Naghani  
N. Hassanzadeh  
S. Ryazati

Design and Fabrication of Thermo-micro-ohm-meter

Iran, Tehran

58137

38711284

2008

45

S.K. Sadrnezhaad  
Sodium Vapour Lamp

B. Yarmand

Manufacture of Solar Lighting System by using of Low Pressure

Iran, Tehran

58161

46

S.K. Sadrnezhaad  
Lamp

B. Yarmand

Manufacture of Photovoltaic Lighting System by using of Xenon

Iran, Tehran

58162

38712625

47

Mojtaba Torabi  
S.K. Sadrnezhaad  
Hydrogen Fuel Cell

Morteza Torabi

Production of Nanocomposite Iron/Carbon Nanotubes for Catalysis of

Iran, Tehran

58978

48

S.K. Sadrnezhaad  
Crystal

Morteza Torabi

Growth of Epitaxial Ni by Electrochemical Method on Si Single

Iran, Tehran

58979

38802548

49

S.K. Sadrnezhaad  
Electrochemical Method

Morteza Torabi

Manufacturing of Sensors based on Polypyrrol Nanoribbon by

Iran, Tehran

58980

50

H. Ataei

M.R. Vaezi  
S.K. Sadrnezhaad     [Production of Nanocomposite Ni-Fe/SiC Coating by Electrochemical and DC Pulsed Precipitation](#)     Iran, Tehran     58338

51

S.E. Hashemi  
M.R. Vaezi  
S.K. Sadrnezhaad  
  
[Production of Magnetic Cobalt Oxide Nanopowder by Hydrothermal Method using Jell Oxidation and Calcination](#)     Iran, Tehran     60277     388050079

52

Y.B. Mollamahaleh  
D. Hosseini  
S.K. Sadrnezhaad  
  
[Fabrication of NiO nanoparticles and chip-like nanoflakes by solvothermal technique](#)     USA

53

D. Mohamadiani  
S.K. Sadrnezhaad  
D. Hosseini  
  
[Production of Nickel Oxide Particles by Sonochemical Method \(used in Alkaline Batteries\)](#)     Iran,

54

D. Mohamadiani  
S.A. Hosseini  
S.K. Sadrnezhaad  
  
[Production of Nickel Oxide Particles using Macrowav](#)     e     Iran, Tehran

55

B. Yarmand  
S.K. Sadrnezhaad

[Manufacture of Dye-Sensitized Solar Cell by Cadmium Sulfide Nano-particles and Nano-structured Meso-porous Titanium Dioxide Coatings](#)

Iran, Tehran

68648

56

B. Yarmand  
S.K. Sadrnezhaad

[Manufacture of Dye-Sensitized Solar Cell by Nano-structured Meso-porous Titanium Dioxide Coatings via Sol Gel Method](#)

Iran, Tehran

68649

389100506

57

B. Yarmand  
S.K. Sadrnezhaad

[Design and Manufacture of Dye-Sensitized Solar Cell by Nano-structured Meso-porous Titanium Dioxide Coatings Doped with Palladium via Sol Gel Method](#)

Iran, Tehran

58

M. Salehi Dulabi  
S.K. Sadrnezhaad

[Production of Cr-Al<sub>2</sub>O<sub>3</sub> Nanocomposit Coating from Cr<sup>+3</sup> Bath by Electrical Deposition](#)

Ira

59

A.R. Raei Niaki

S.K. Sadrnezhaad  
M. Malekzadeh

[Production of Nanostructured High-Temperature Mo-Zr-Ti Ternary Alloy \(TZM\) via Powder Metallurgy](#) Iran, Tehran 75002 036571

May 9

60

M. Malekjafarian  
S.K. Sadrnezhaad  
A. Chaichi

[Production of Ni-Pd/CNT Nanocatalyst Applicable to Methane Reforming Process](#)

Iran, Tehran

61

S.K. Sadrnezhaad  
A. Tavakoli Neishaburi  
M. Torabi

[Litium Nanobattrees](#)

Iran, Tehran

86644

021981

Sep

62

M. Chahi  
S.K. Sadrnezhaad  
M. Sabzehparvar  
M. Arzi

[Electric discharge system in gaseous environment for production of nanoparticles](#)

Iran, Tehran

63

A. Seza  
S.K. Sadrnezhaad  
S.M. Montazeri  
M. Soltaninezhad

[Microwave assisted synthesis of SnO<sub>2</sub>/C<sub>3</sub>N<sub>4</sub> nanocomposite from Sn coated Cu wire scraps](#)

[for desulfurization of petroleum products](#)

Iran, Tehran

96716

0

64

N.Yazdi Hassanzadeh

S.K. Sadrnezhaad

[Method for Preparing a Cathode Active Material and Sodium Ion Battery Comprising the](#)

[Same](#)

USA

US2019 0088944 A1

US2019 0088944 A1

March 21, 201