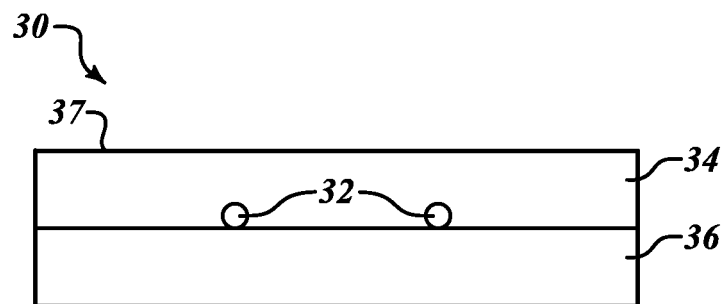
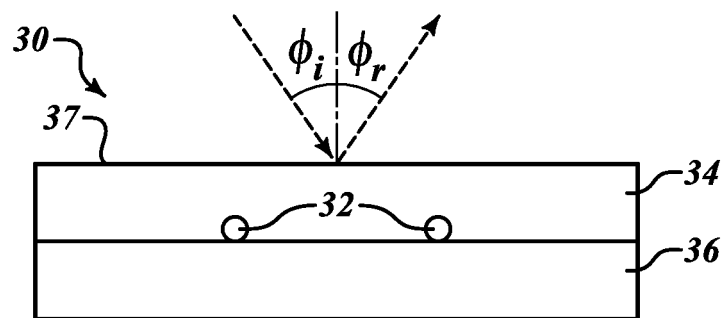
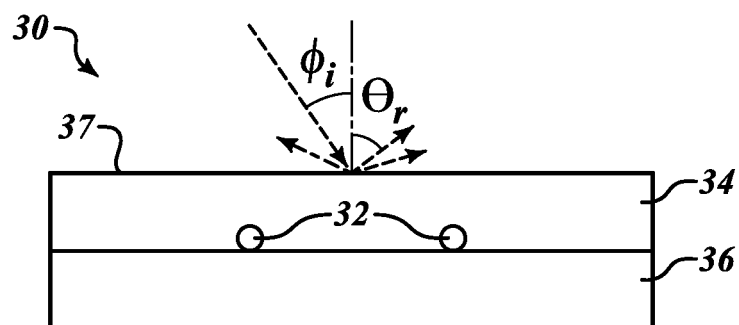
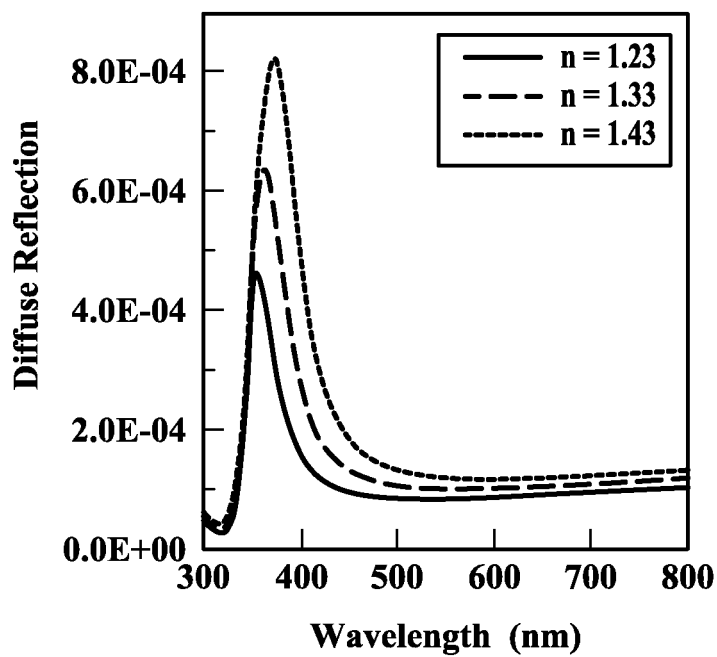
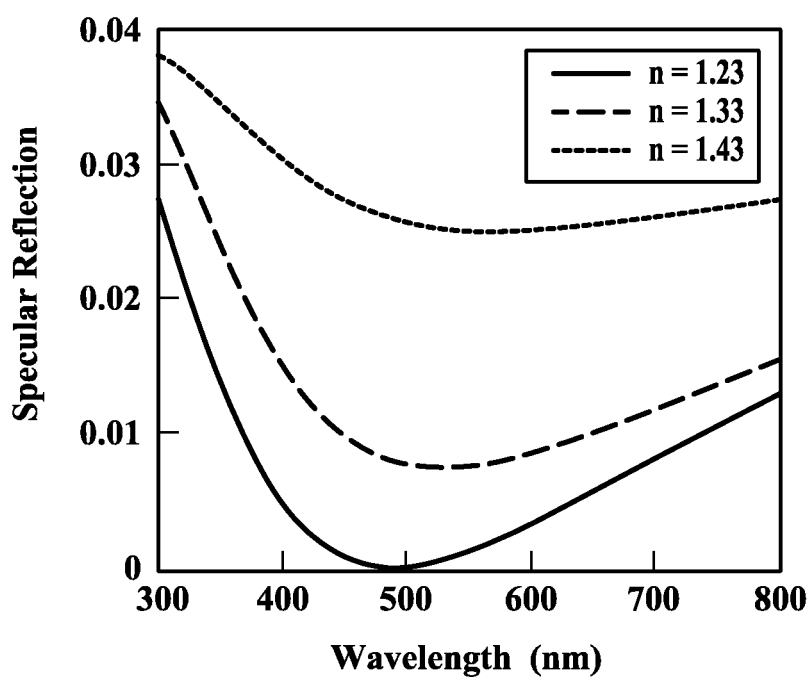


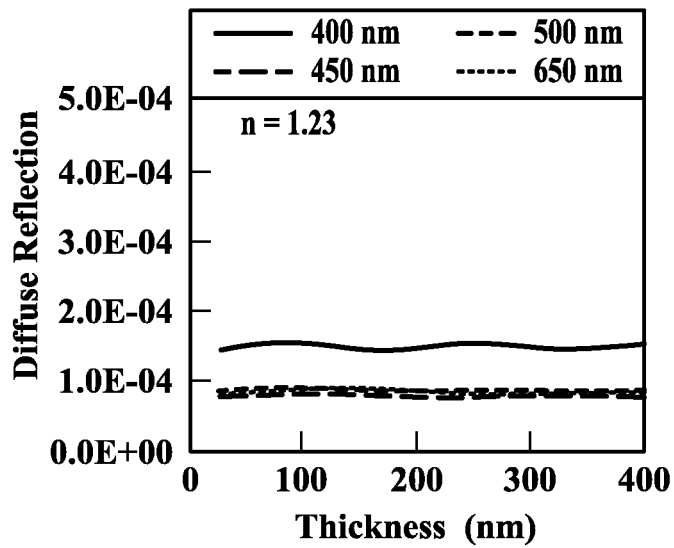
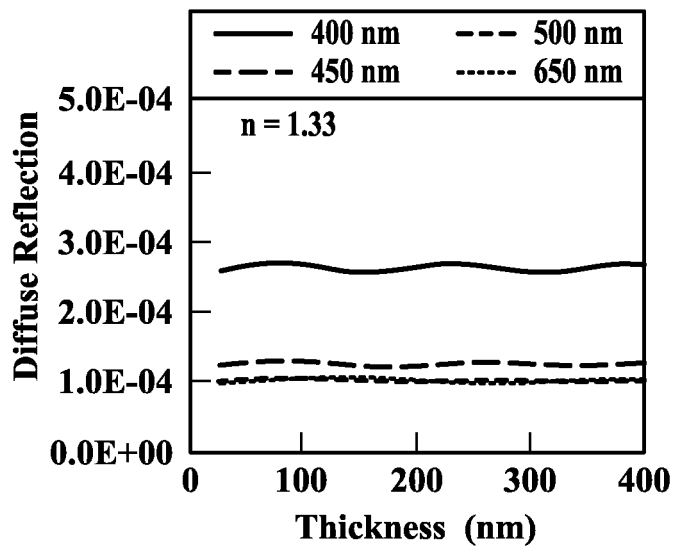
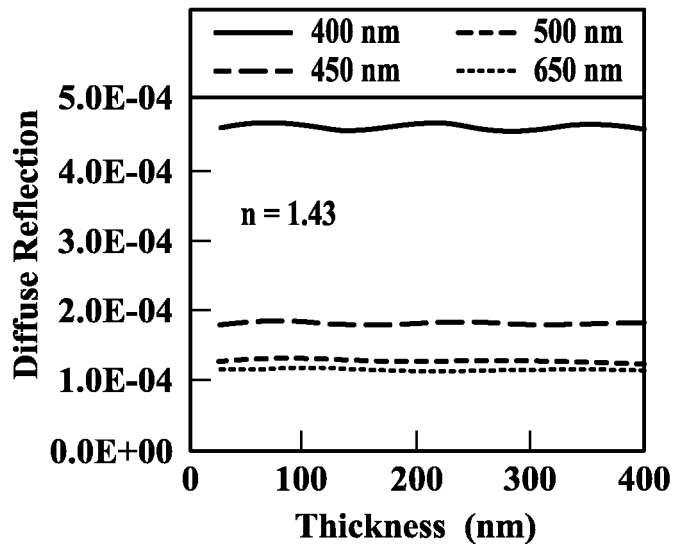
1/15

**FIG. 1****FIG. 2A****FIG. 2B**

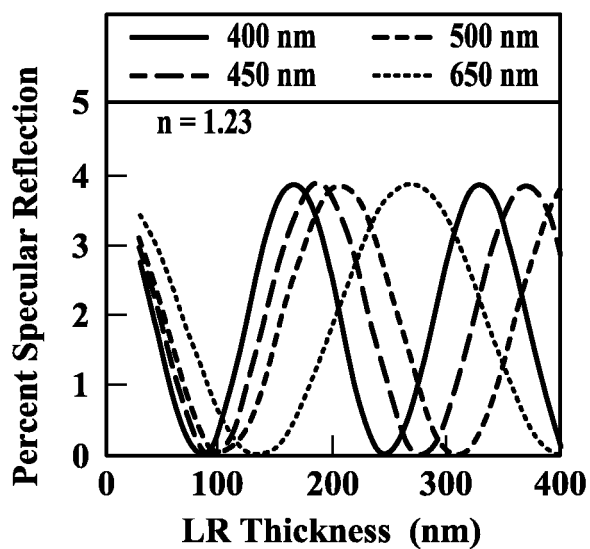
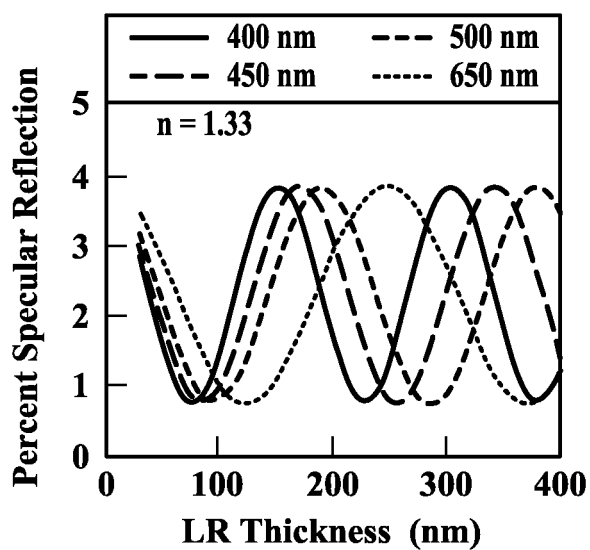
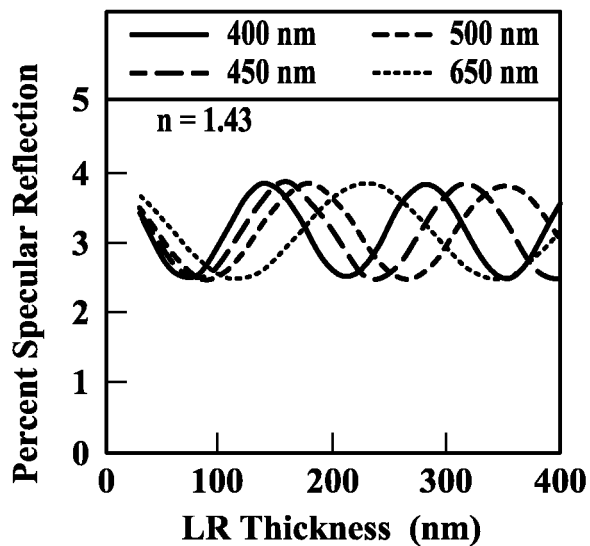
2/15

**FIG.3A****FIG.3B**

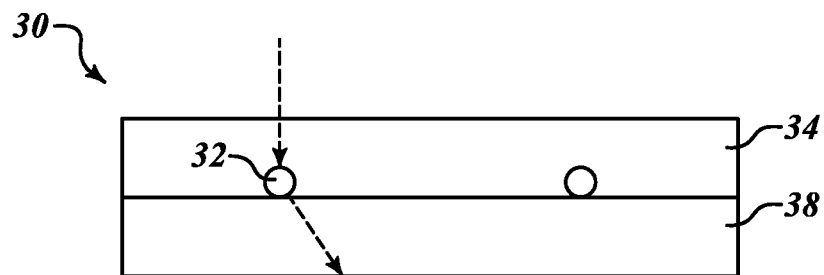
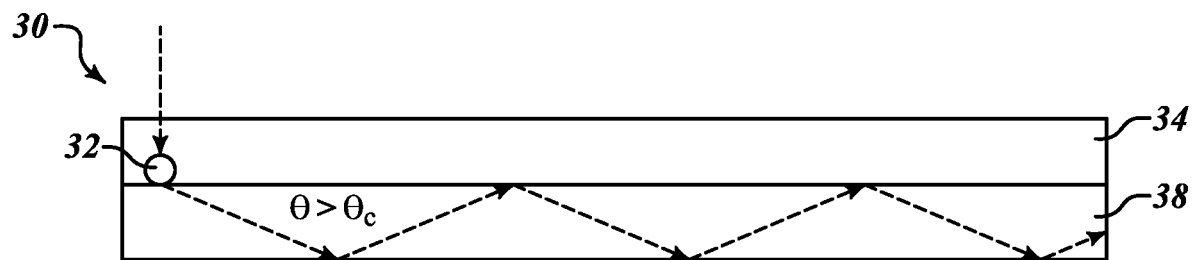
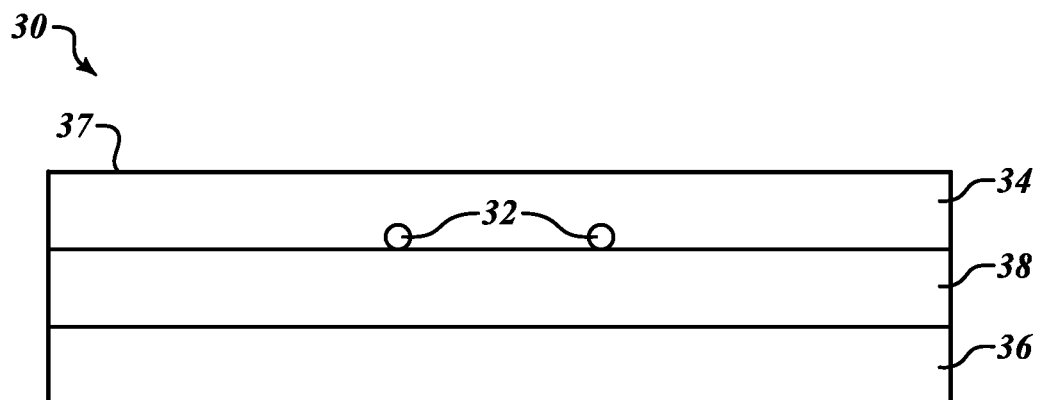
3/15

**FIG.4A****FIG.4B****FIG.4C**

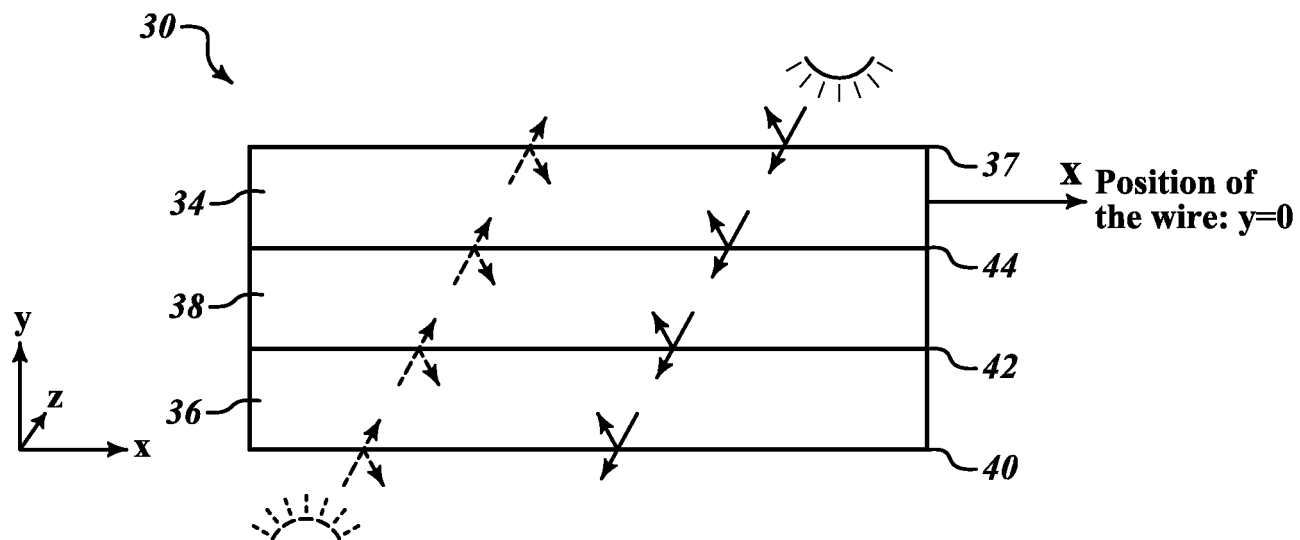
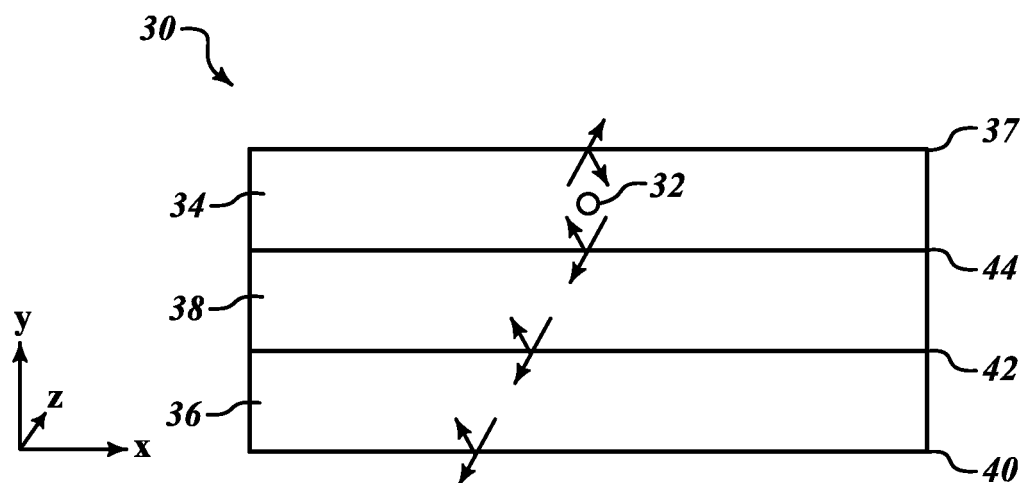
4/15

**FIG.5A****FIG.5B****FIG.5C**

5/15

**FIG. 6****FIG. 7****FIG. 8**

6/15

**FIG. 9A****FIG. 9B**

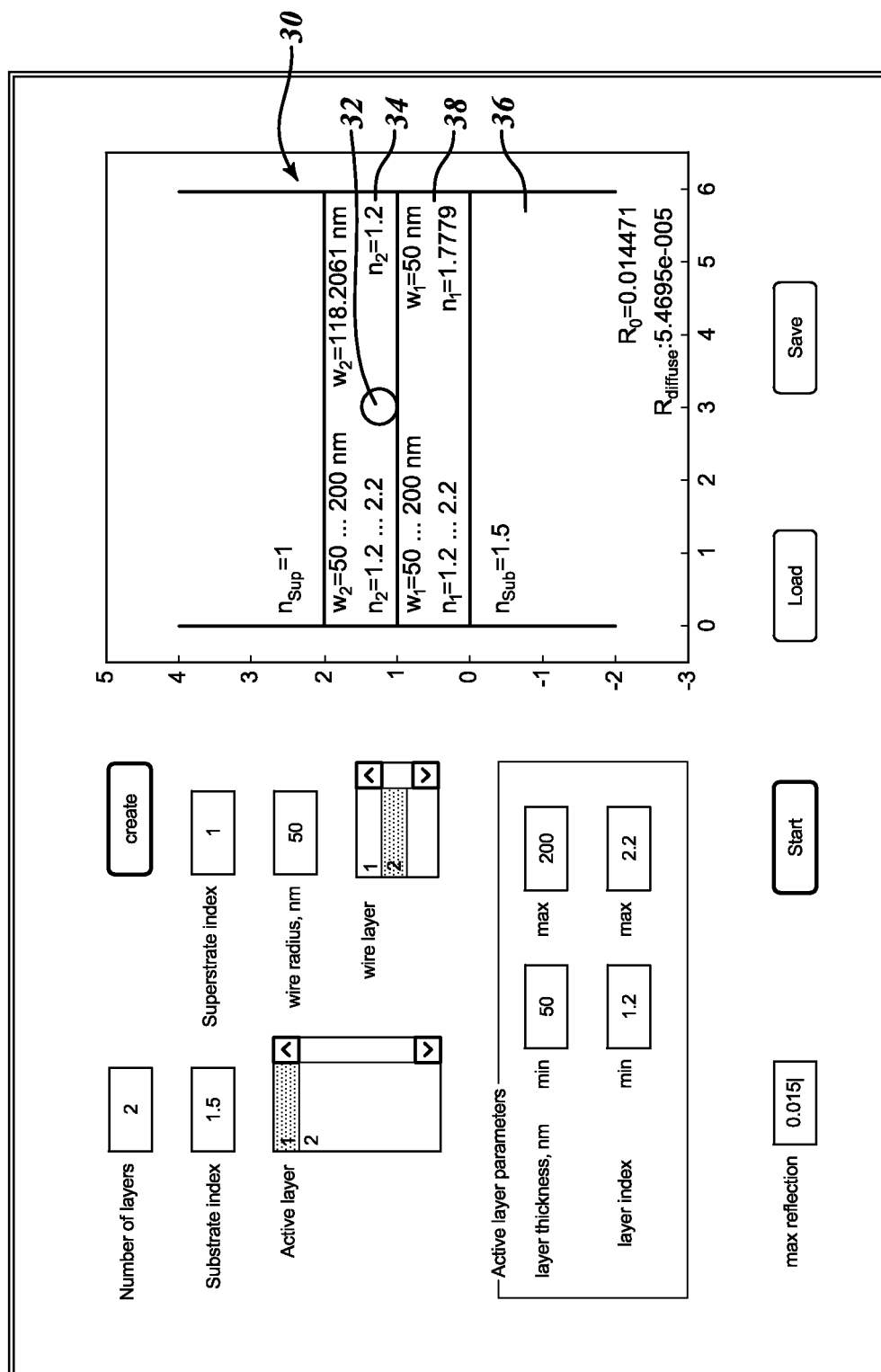


FIG. 10A

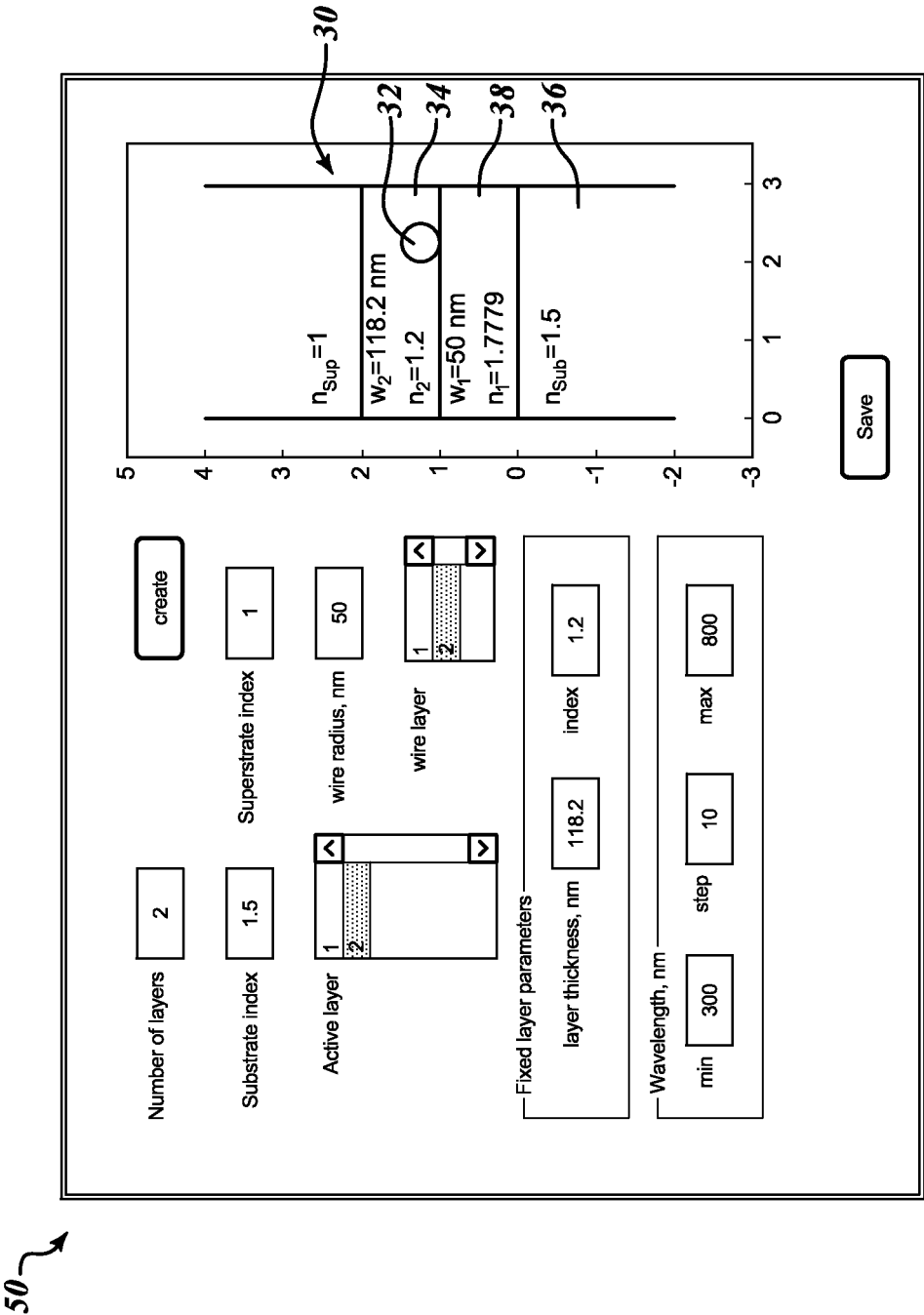


FIG. 10B

9/15

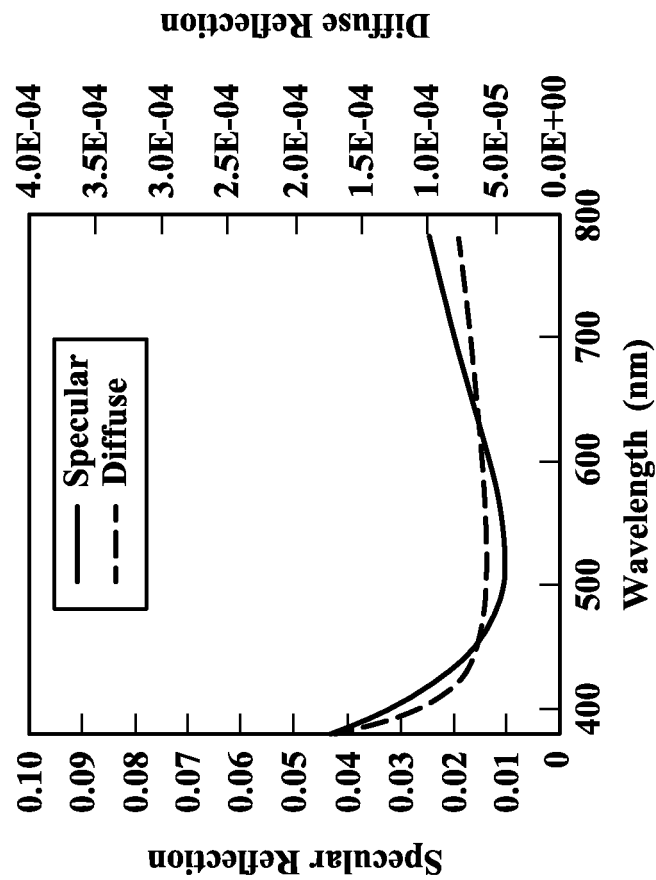


FIG. 10C

10/15

Number of layers

3

Create

Substrate index

1.5

Superstrate index

1

Active layer

nanowire layer

Active layer parameters

Layer thickness, nm	30	min	200	max
Layer index	1.2	min	2.2	max

Optimize

☒ Diffuse Reflection
☐ Specular Reflection

Max. specular reflection

0.02

Start

Load

Save

FIG. 10D

Number of layers

3

Substrate index

1.5

Fixed layer

1

2

3

create

Superstrate index

1

Nanowire layer

1

2

3

Fixed layer parameters

Layer thickness (nm)

100

Index

1.3

Wavelength, nm

min

300

step

10

max

800

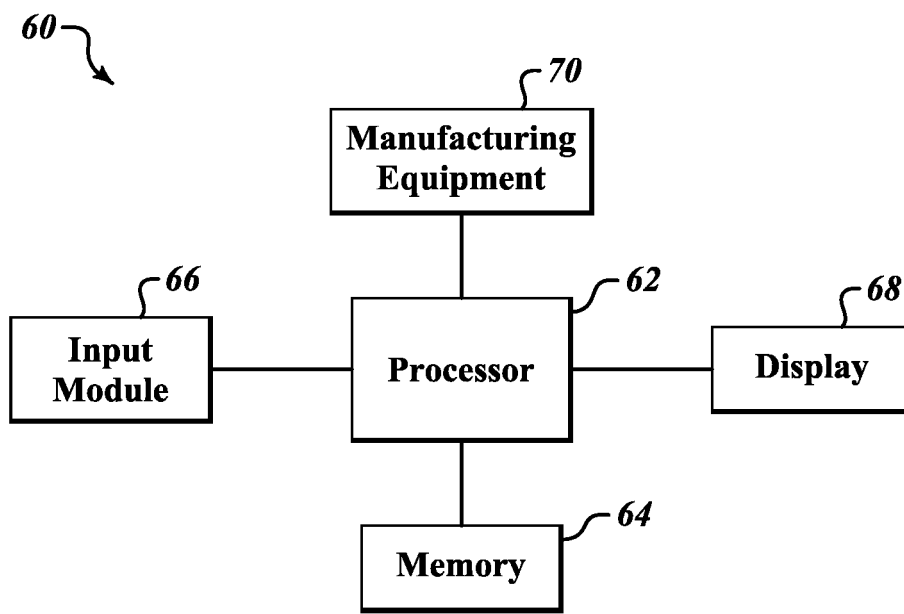
Start

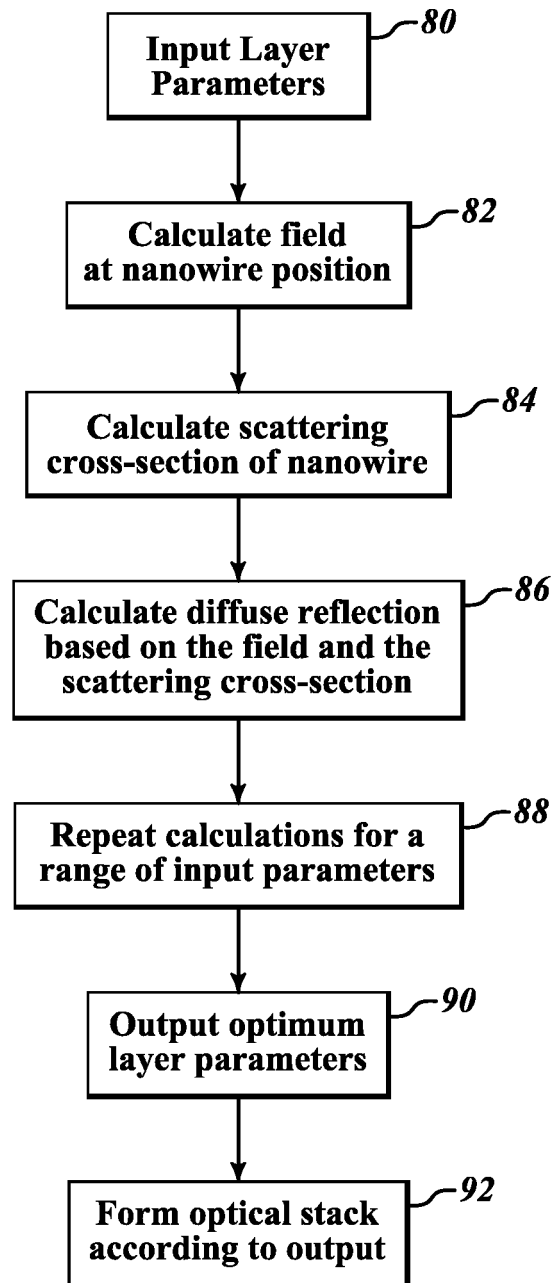
Load

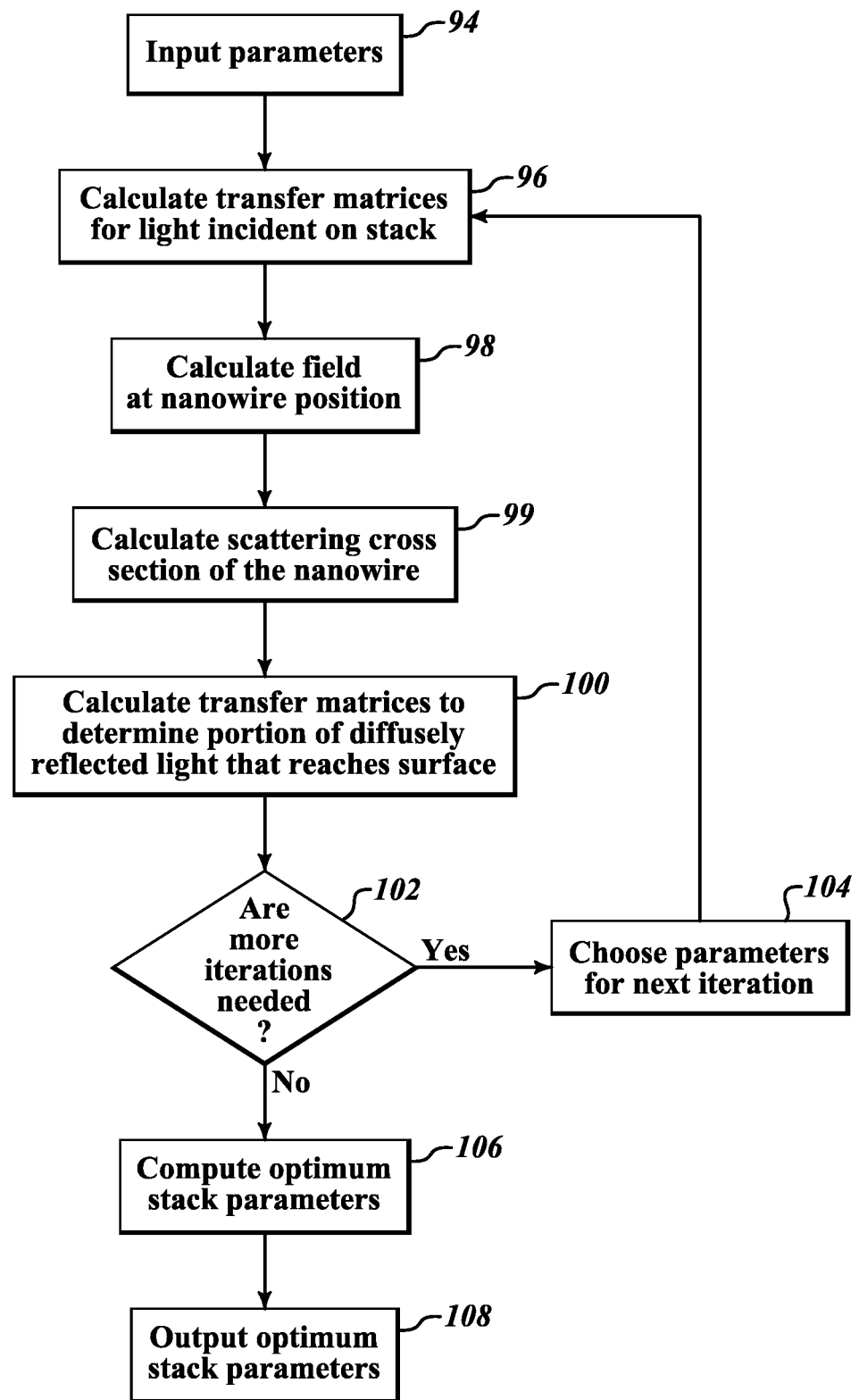
Save

$n_{\text{Sup}}=1$	
$t_3=100\text{ nm}$	
$n_3=1.3$	
Nanowire layer ○	
$t_1=50\text{ nm}$	
$n_1=1.8$	
$n_{\text{Sub}}=1.5$	

FIG.10E

12/15**FIG. 11**

13/15***FIG.12***

14/15***FIG.13***

15/15

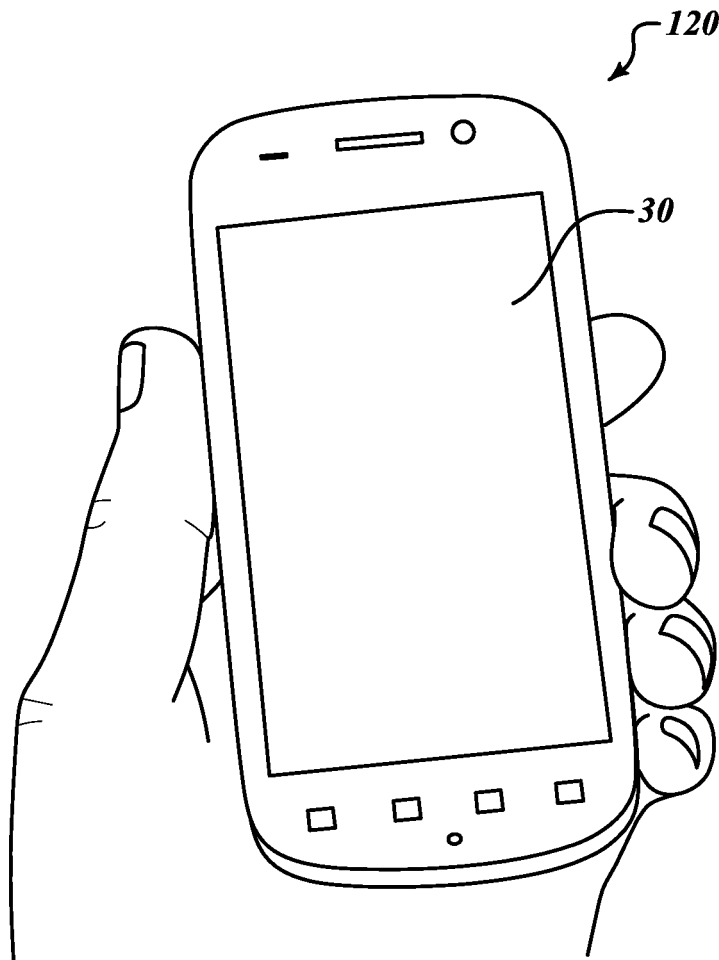


FIG. 14