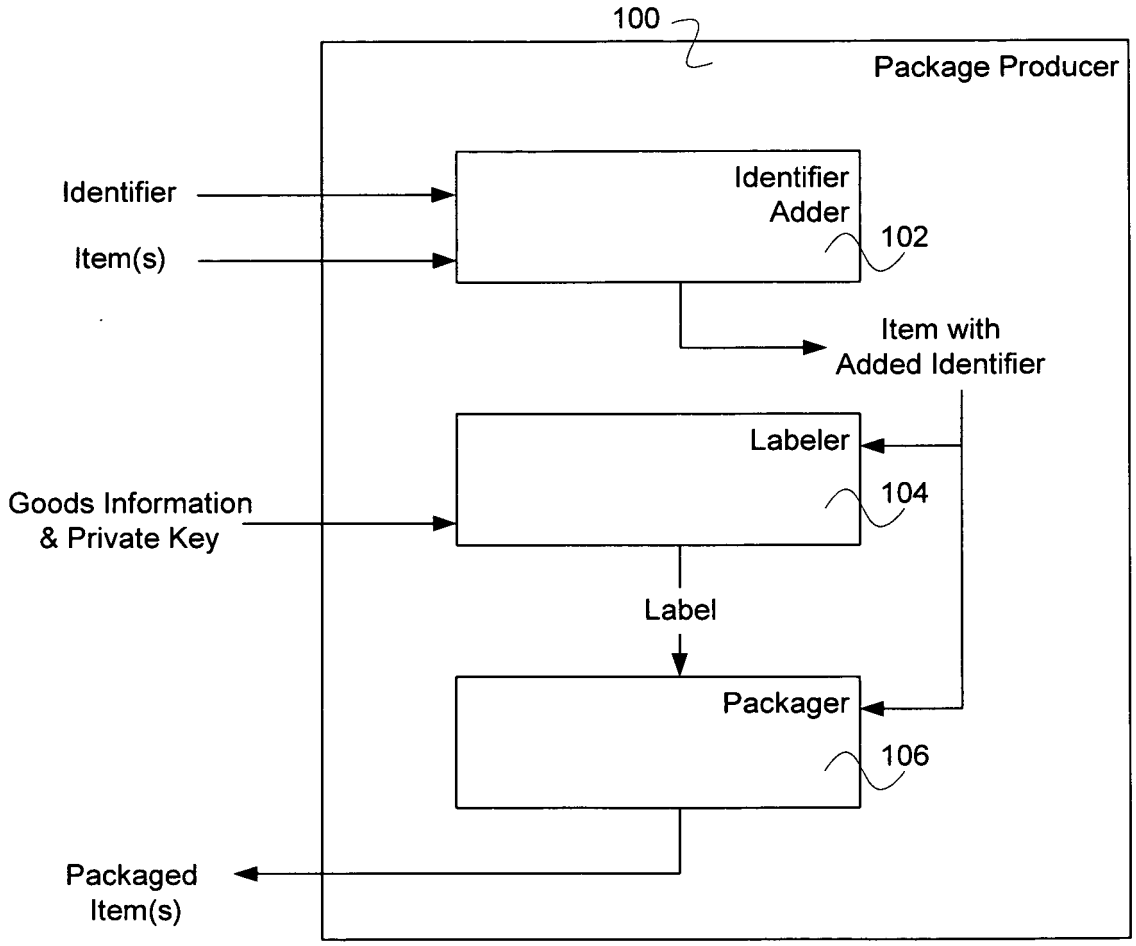
100
Package Producer
Identifier
Item(s)
Identifier Adder
102
Item with Added Identifier
Labeler
104
Goods Information & Private Key
Label
Packager
106
Packaged Item(s)

FIG. 1

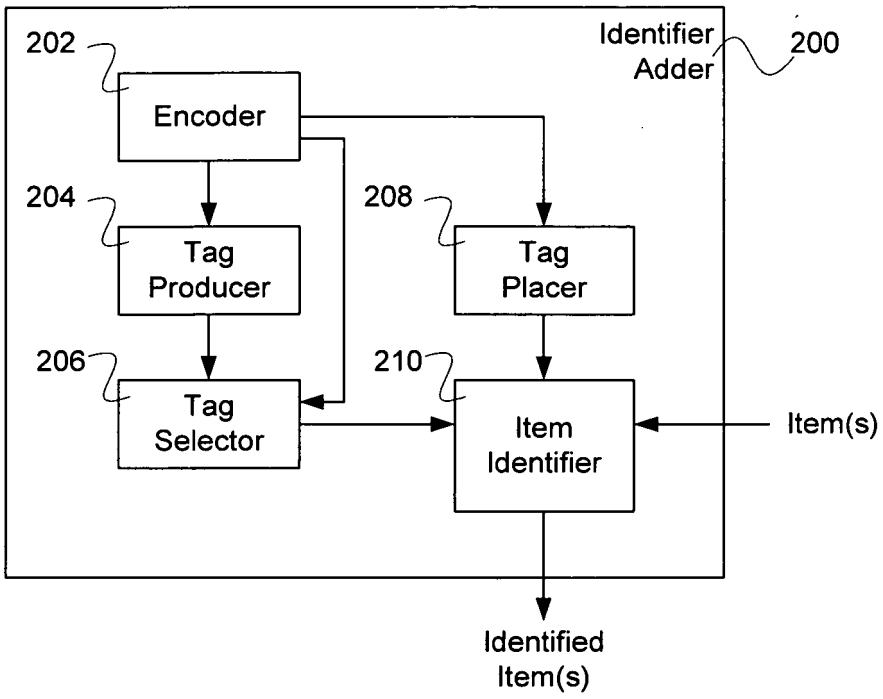
202
Identifier Adder
200
Encoder
204
208
Tag Producer
Tag Placer
206
210
Tag Selector
Item Identifier
Item(s)
Identified Item(s)

FIG. 2

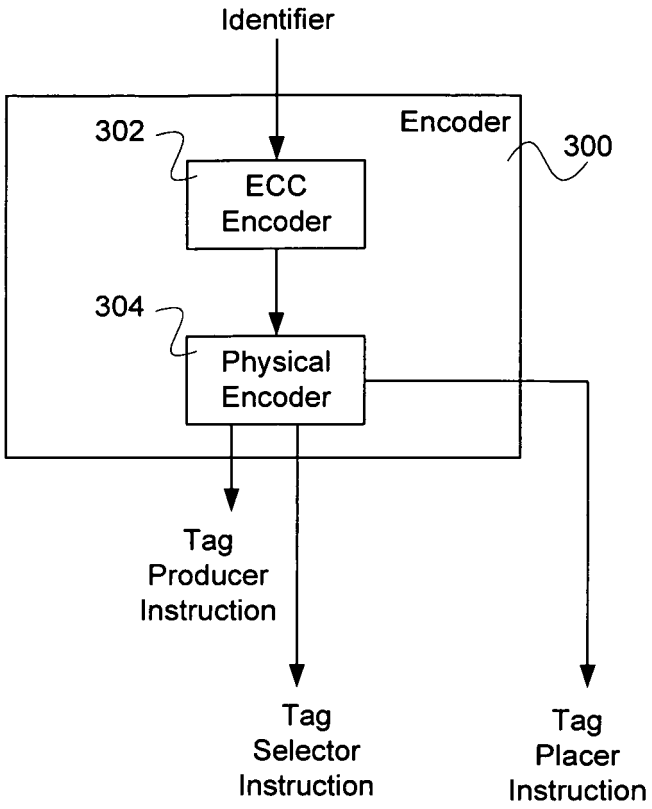
Identifier
Encoder
300
302
ECC
Encoder
304
Physical
Encoder
Tag
Producer
Instruction
Tag
Selector
Instruction
Tag
Placer
Instruction

FIG. 3

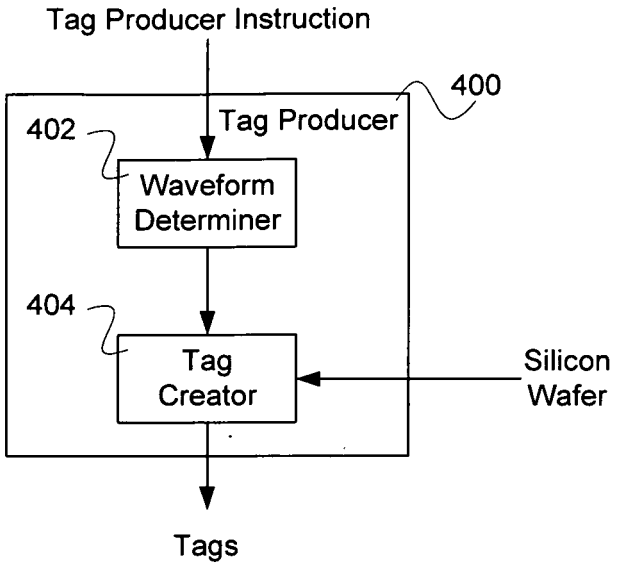
Tag Producer Instruction
400
Tag Producer
402
Waveform Determiner
404
Tag Creator
Silicon Wafer
Tags

FIG. 4

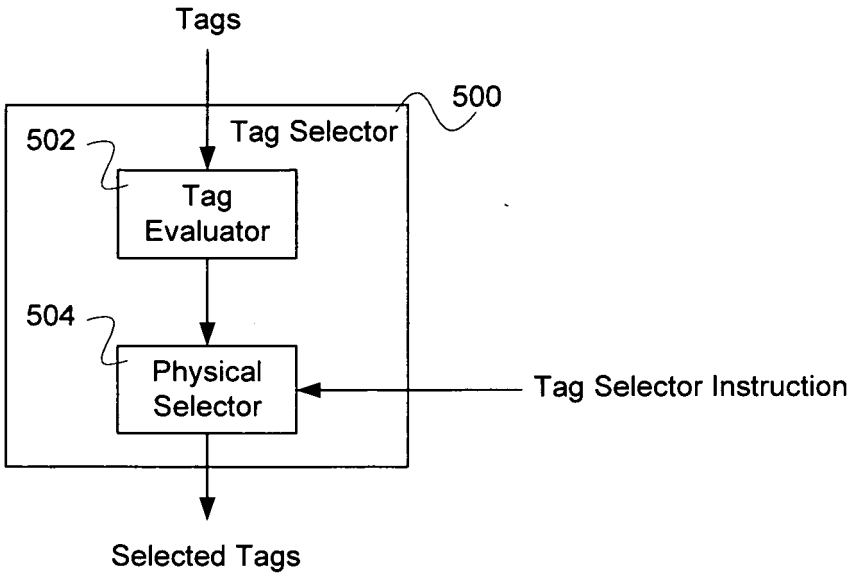
Tags
500
Tag Selector
502
Tag
Evaluator
504
Physical
Selector
Tag Selector Instruction
Selected Tags

FIG. 5

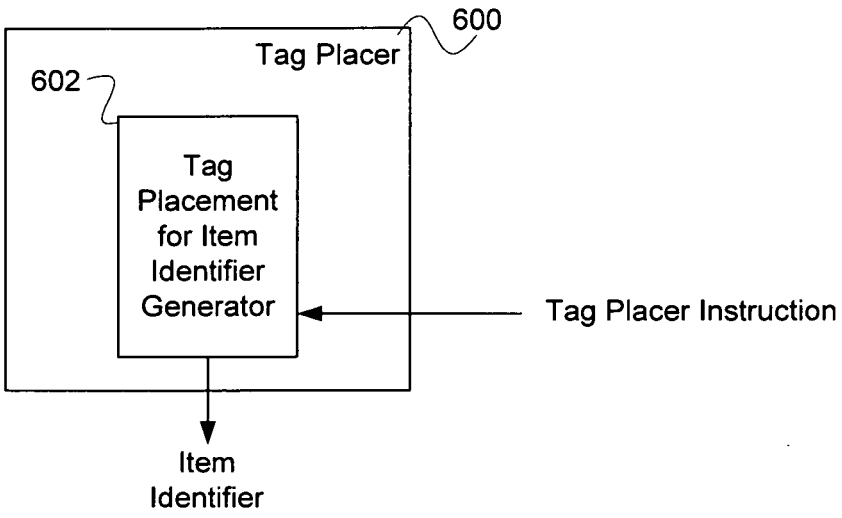
600
Tag Placer
602
Tag Placement for Item Identifier Generator
Tag Placer Instruction
Item Identifier

FIG. 6

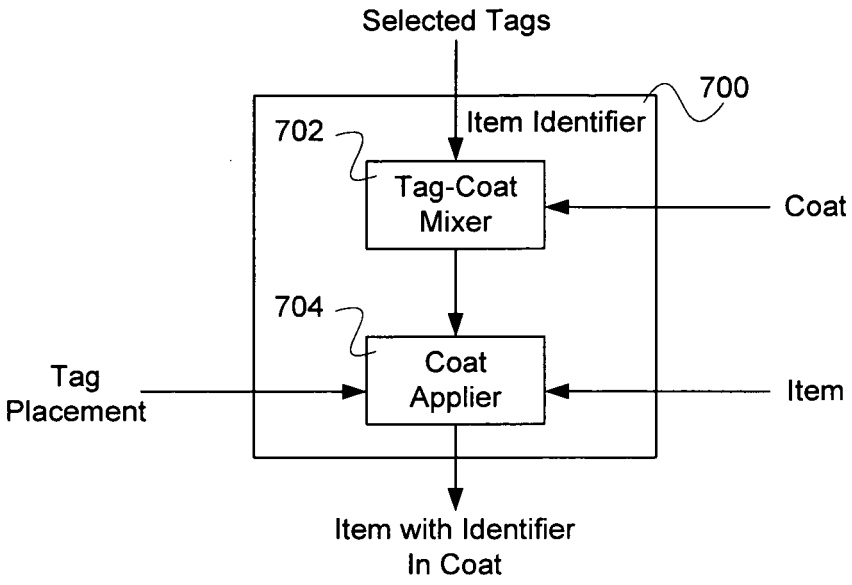
Selected Tags
700
Item Identifier
702
Tag-Coat Mixer
Coat
704
Coat Applier
Tag Placement
Item
Item with Identifier In Coat

FIG. 7A

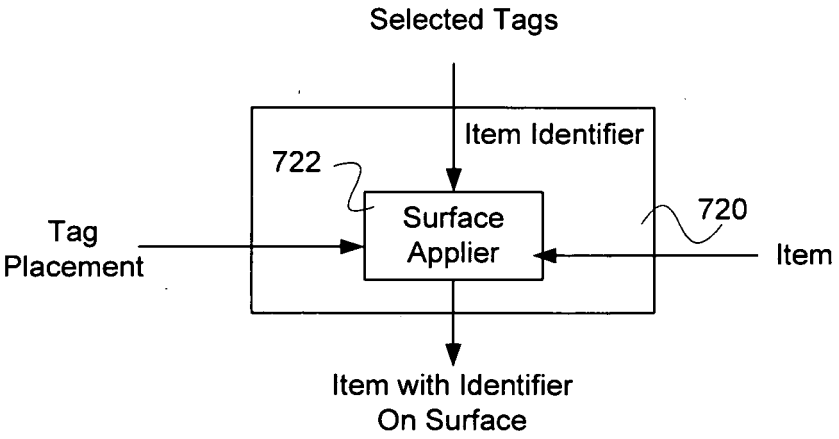
Selected Tags
Item Identifier
722
Surface Applier
720
Tag Placement
Item
Item with Identifier On Surface

FIG. 7B

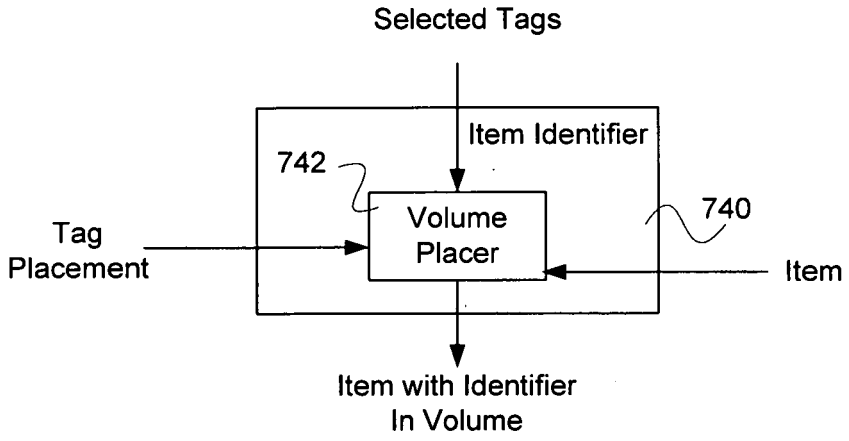
Selected Tags
Item Identifier
742
740
Volume
Placer
Tag
Placement
Item
Item with Identifier
In Volume

FIG. 7C