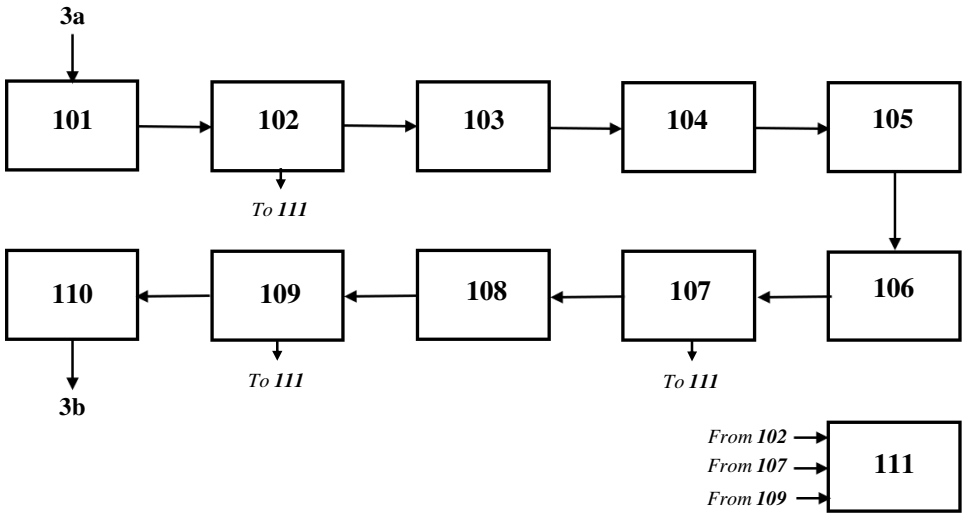

3a
101
102
103
104
105
To 111
110
109
108
107
106
To 111
To 111
3b
From 102
From 107
From 109
111

FIG. 1

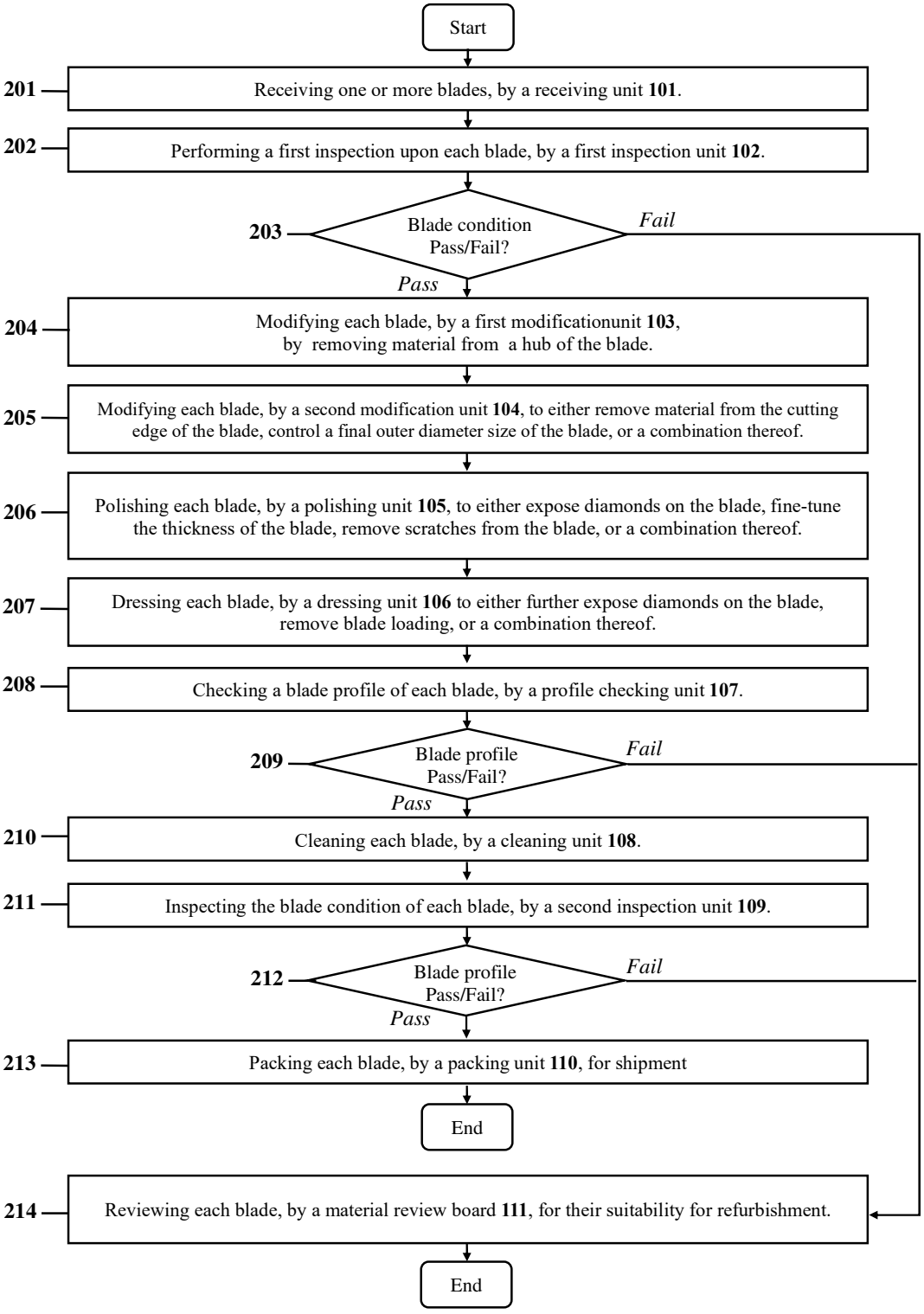

Start
201
Receiving one or more blades, by a receiving unit 101.
202
Performing a first inspection upon each blade, by a first inspection unit 102.
203
Blade condition Pass/Fail?
Fail
Pass
204
Modifying each blade, by a first modificationunit 103, by removing material from a hub of the blade.
205
Modifying each blade, by a second modification unit 104, to either remove material from the cutting edge of the blade, control a final outer diameter size of the blade, or a combination thereof.
206
Polishing each blade, by a polishing unit 105, to either expose diamonds on the blade, fine-tune the thickness of the blade, remove scratches from the blade, or a combination thereof.
207
Dressing each blade, by a dressing unit 106 to either further expose diamonds on the blade, remove blade loading, or a combination thereof.
208
Checking a blade profile of each blade, by a profile checking unit 107.
209
Blade profile Pass/Fail?
Fail
Pass
210
Cleaning each blade, by a cleaning unit 108.
211
Inspecting the blade condition of each blade, by a second inspection unit 109.
212
Blade profile Pass/Fail?
Fail
Pass
213
Packing each blade, by a packing unit 110, for shipment
End
214
Reviewing each blade, by a material review board 111, for their suitability for refurbishment.
End

FIG. 2

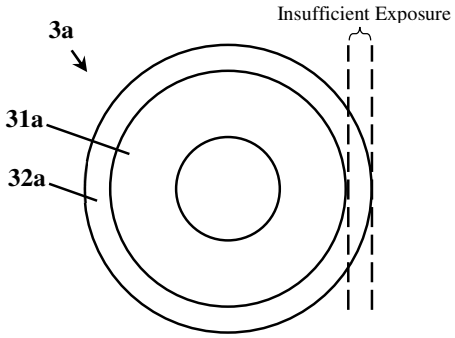


FIG. 3

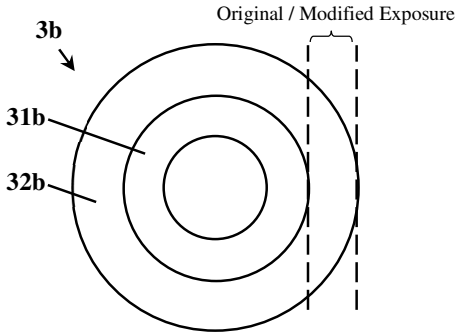


FIG. 4

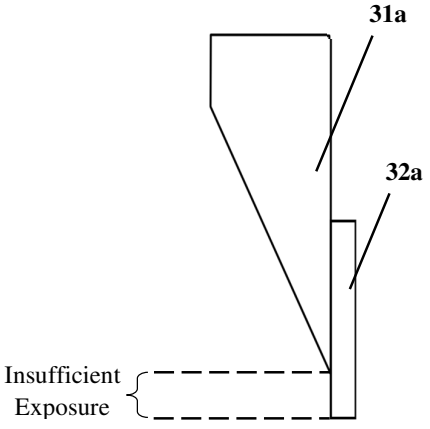


FIG. 5

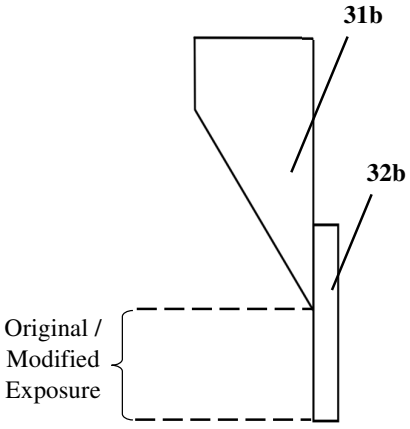


FIG. 6