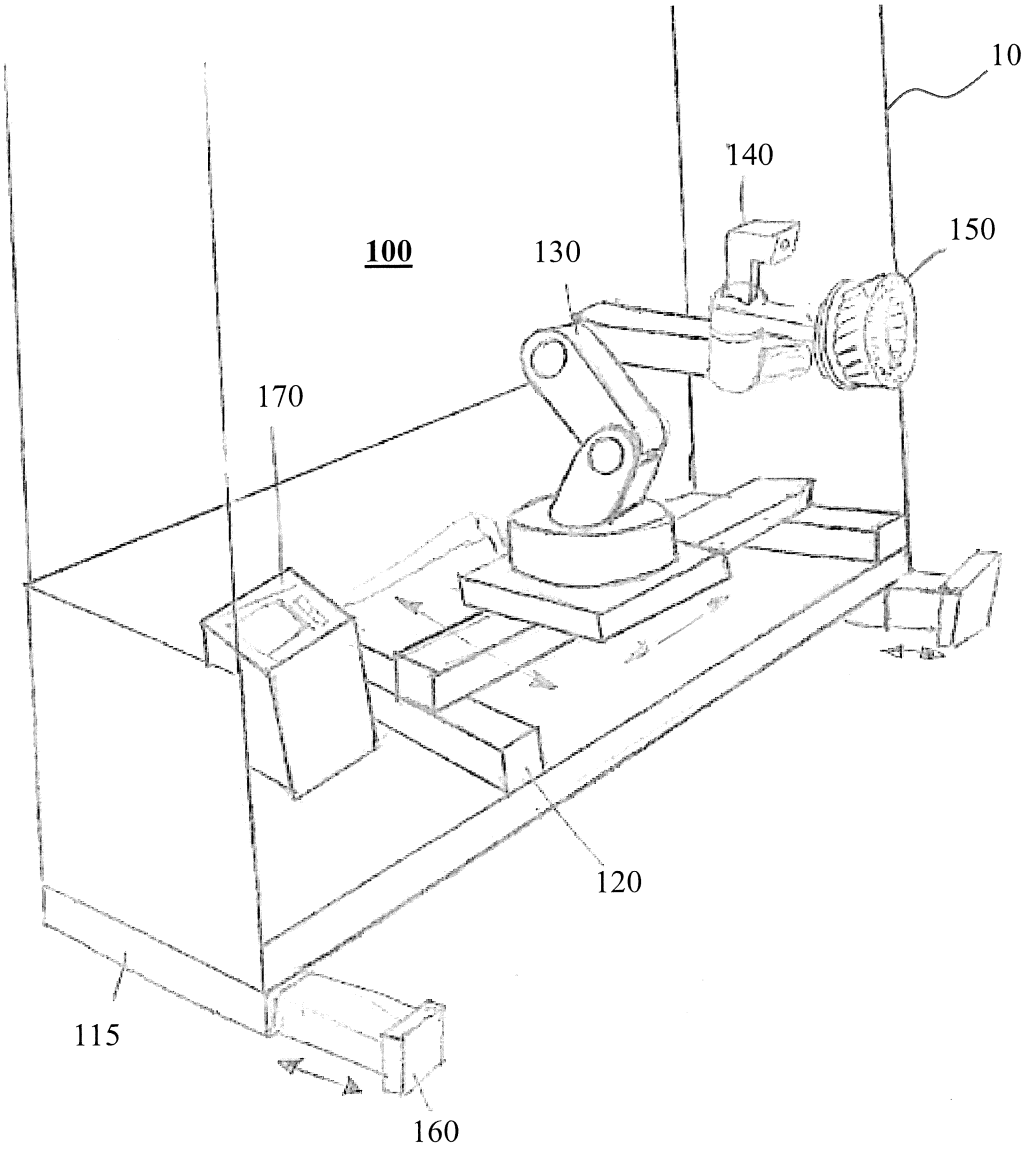


FIG 1a

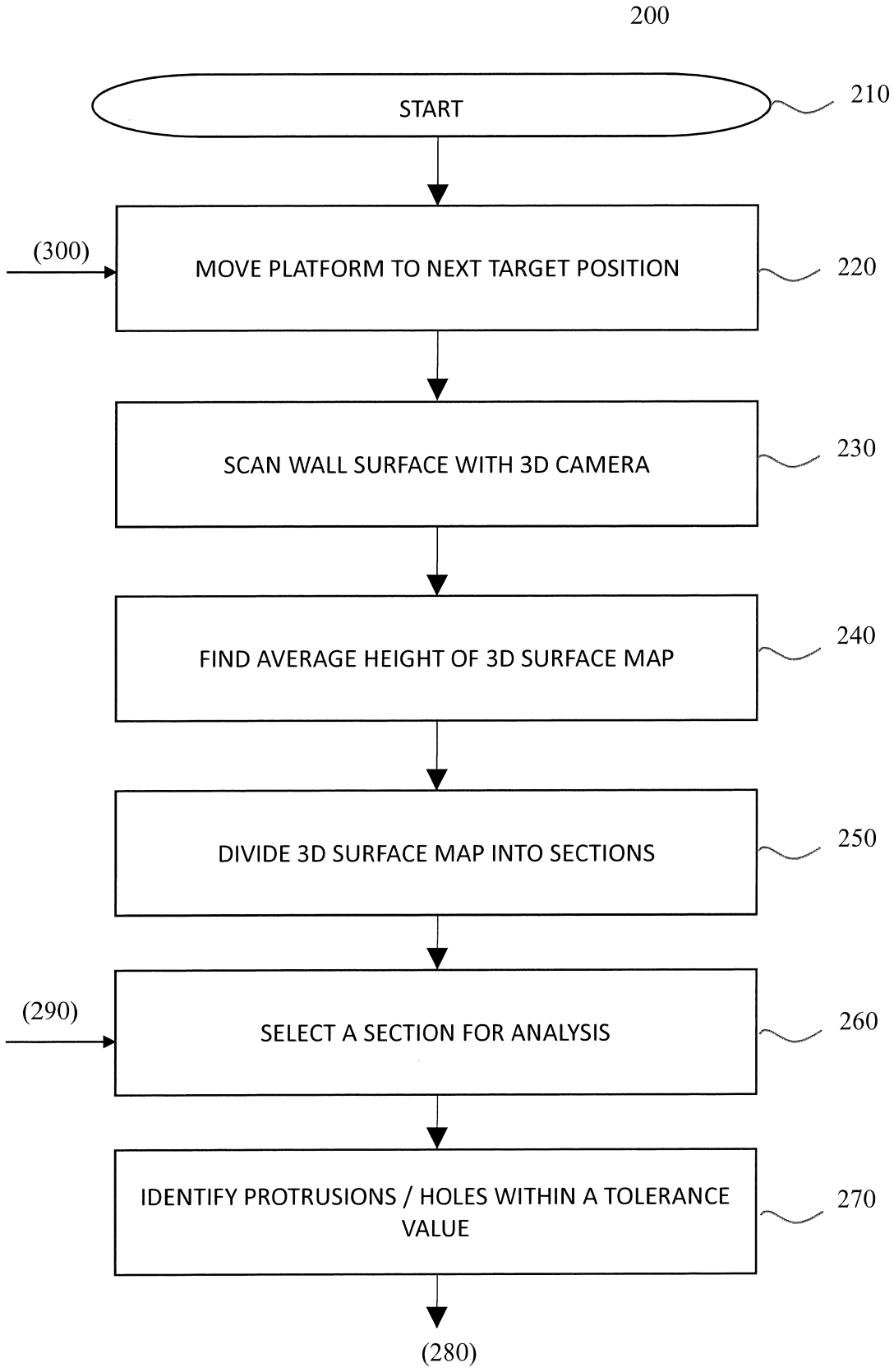

200
START
210
(300)
MOVE PLATFORM TO NEXT TARGET POSITION
220
SCAN WALL SURFACE WITH 3D CAMERA
230
FIND AVERAGE HEIGHT OF 3D SURFACE MAP
240
DIVIDE 3D SURFACE MAP INTO SECTIONS
250
(290)
SELECT A SECTION FOR ANALYSIS
260
IDENTIFY PROTRUSIONS / HOLES WITHIN A TOLERANCE VALUE
270
(280)

FIG 2

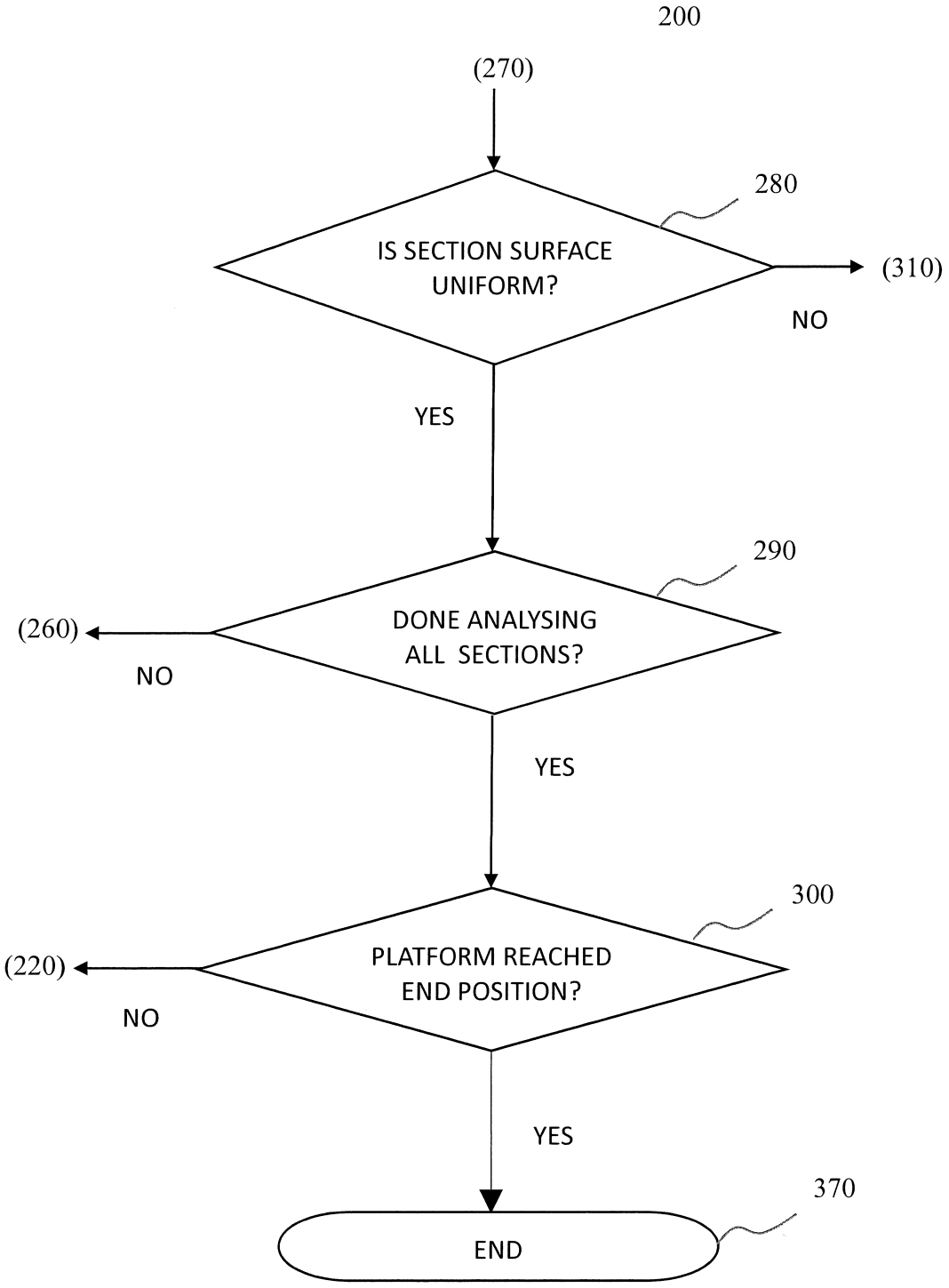

200
(270)
280
IS SECTION SURFACE UNIFORM?
(310)
NO
YES
290
DONE ANALYSING ALL SECTIONS?
(260)
NO
YES
300
PLATFORM REACHED END POSITION?
(220)
NO
YES
370
END

FIG 2 (cont'd)

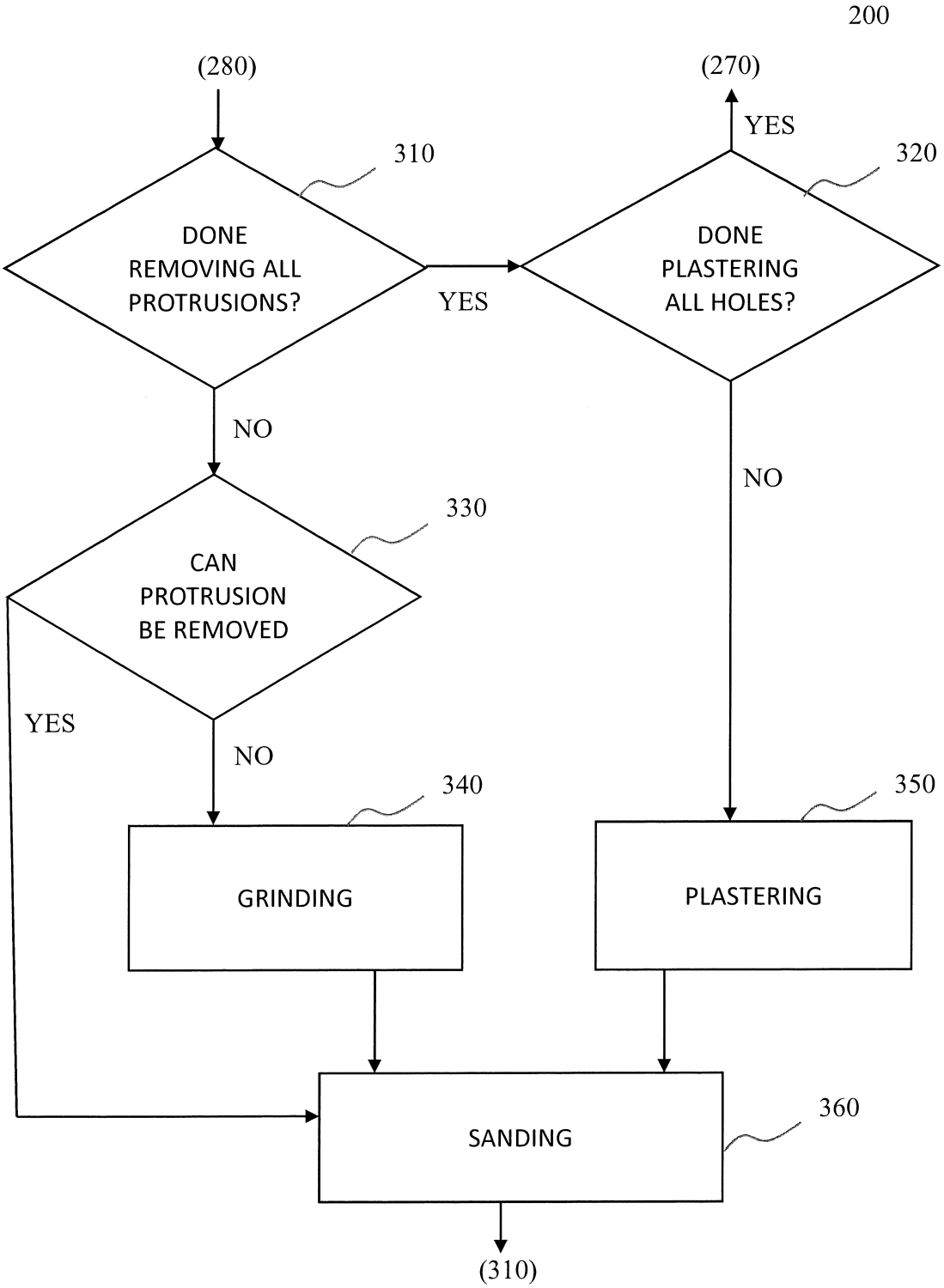

200
(280)
(270)
YES
310
320
DONE REMOVING ALL PROTRUSIONS?
YES
DONE PLASTERING ALL HOLES?
NO
NO
330
CAN PROTRUSION BE REMOVED
YES
NO
340
350
GRINDING
PLASTERING
360
SANDING
(310)

FIG 2 (cont'd)