

Figure 1A

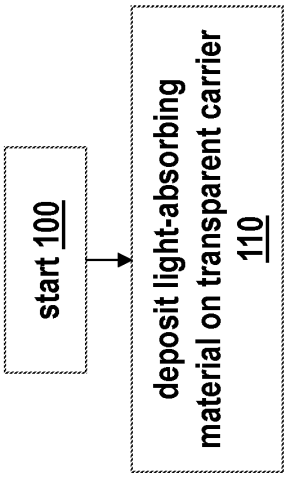


Figure 1

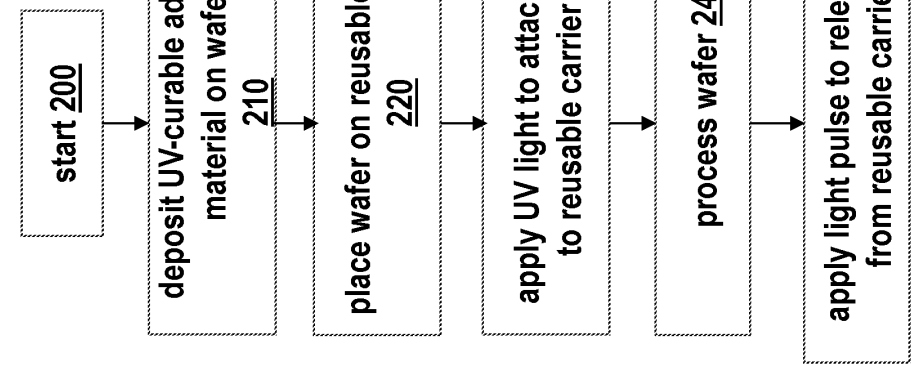


Figure 2

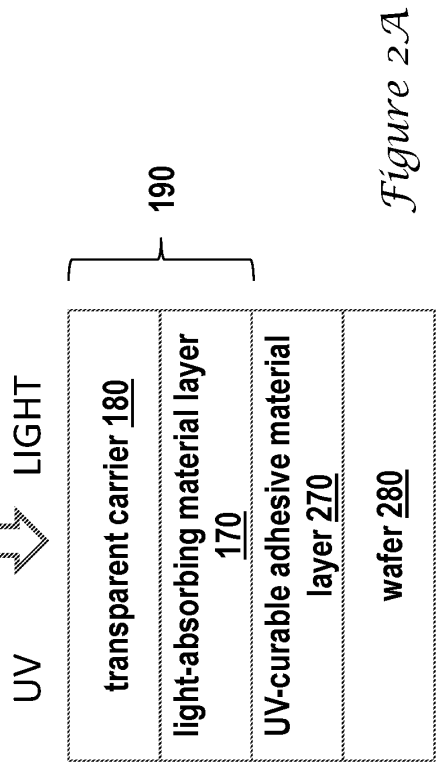


Figure 2A

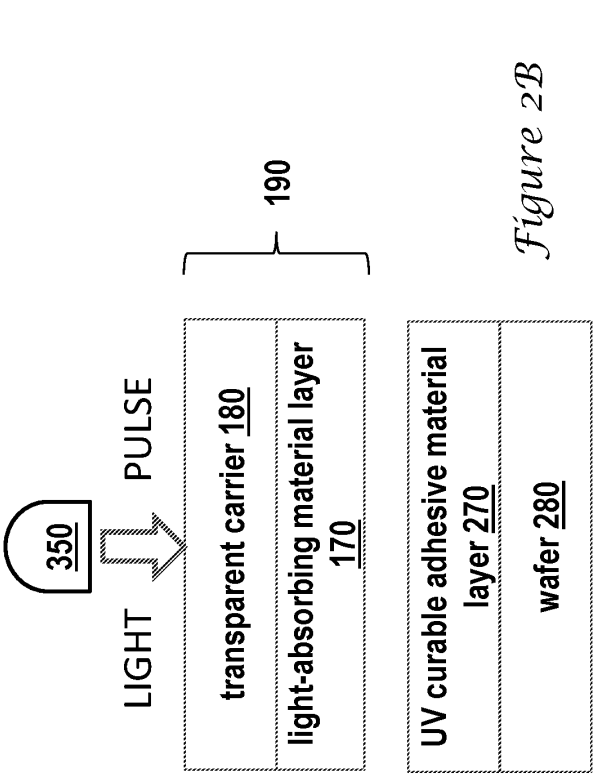


Figure 2B

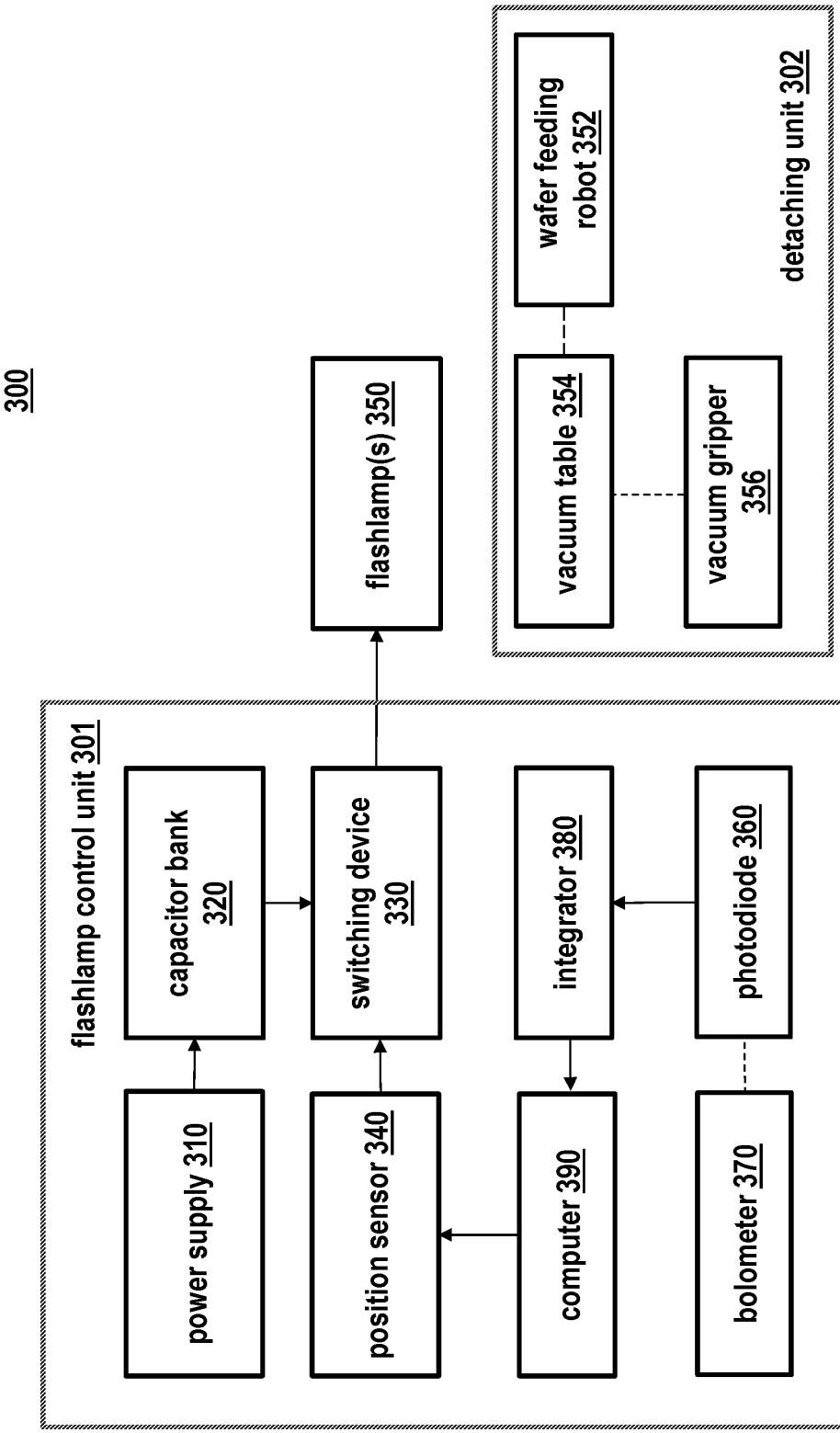

300
flashlamp control unit 301
power supply 310
capacitor bank 320
position sensor 340
switching device 330
computer 390
integrator 380
bolometer 370
photodiode 360
flashlamp(s) 350
detaching unit 302
wafer feeding robot 352
vacuum table 354
vacuum gripper 356

Figure 3

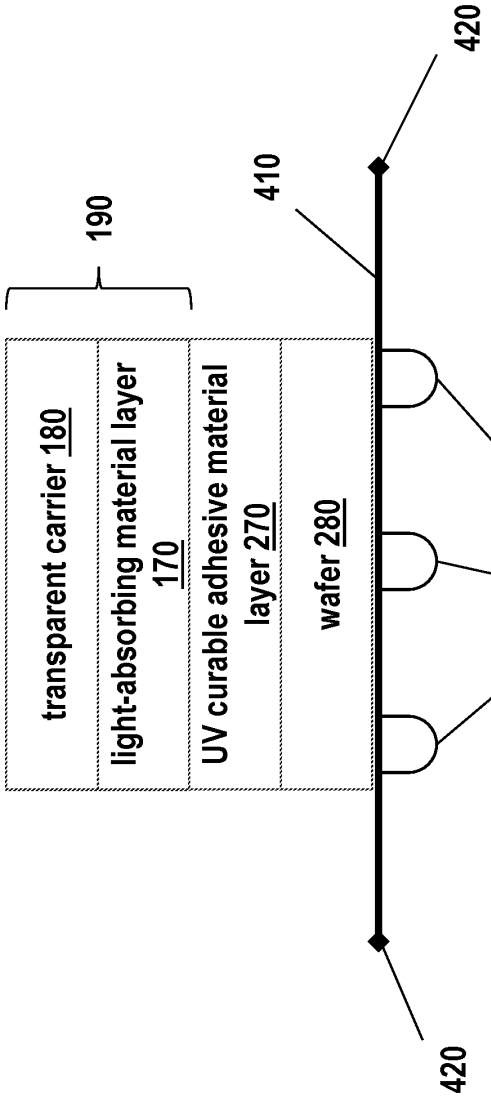

420
410
190
transparent carrier 180
light-absorbing material layer 170
UV curable adhesive material layer 270
wafer 280
430
420

Figure 4