UNITED STATES PATENT AND TRADEMARK OFF BEFORE THE PATENT TRIAL AND APPEAL BOAR

IPR2014-00818,819,821,827, and 1098 Patent 6,853,142

PATENT OWNER ZOND LLC'S DEMONSTRATIVE EXHIBIT



Claims 1-20, 40 And 42 Are Not Obvious Over W and Lantsman

Wang and Lantsman would not have taught:

"a gas line that supplies feed gas to t strongly-ionized plasma, the feed gas diffusing the strongly-ionized plasma thereby allowing additional power fr the pulsed power supply to be absor by the strongly ionized plasma," As Recited In Claim 1 And Similarly in Claims 10 and 40

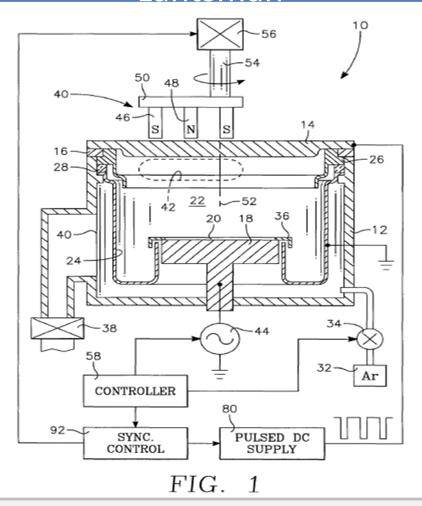


Claims 1-20 And 42 Are Not Obvious Over Wang Lantsman

- Lantsman makes no mention of generating a strongly ionized plasma and therefore, cannot possibly teach supplying feed gas to strongly-ionized plasma (Dr. Hartsough's Declaration, Ex 2005, ¶ 94).
- "Wang's chamber is a significantly different de than the '142 patent in that the feed gas in Wa enters by the wafer/pedestal electrode, far fro the high density plasma region 42" (Dr. Hartso Declaration, Exhibit 2005, ¶ 94).



Claims 1-20 And 42 Are Not Obvious Over Wang Lantsman





Claims 1-20 And 42 Are Not Obvious Over Wang Lantsman

Wang, instead of teaching that the feed gas allows additional power from the pulsed power supply to k absorbed by the strongly ionized plasma as required claims 1 and 10, discloses:

"a sputter working gas such as argon is supplied frogas source 32 through a mass flow controller 34 to region in back of the grounded shield 24. The gas finto the processing region 22 through a gap formed between the pedestal 18, the grounded shield 24, a 10 a clamp ring or plasma focus ring 36 surrounding periphery of the wafer 20" (col. 4, ll. 5-11)



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