

and wherein the kinetic energy of said ions is at least equal to the energy of one of said bonds.

7. A lens as defined in claim 6, wherein said kinetic energy is between about 3 and 50 electron volts.

8. A lens as defined in claim 1, wherein the pressure in said atmosphere is between about 10^{-1} and 10^3 torr.

9. A lens as defined in claim 1, wherein said atmosphere consists essentially of oxygen.

10. A lens as defined in claim 1, wherein said convex surface is contacted with water subsequent to subjecting said convex surface to said action.

11. A lens as defined in claim 10, wherein the contacting step is carried out for a period of at least 12 hours.

12. A lens as defined in claim 10, wherein said water is in the form of water vapor.

13. A lens as defined in claim 1, said concave surface having been subjected to said treatment, and said impingements imparting a roughened texture to said surfaces; and wherein the roughness of said convex surface exceeds the roughness of said concave surface.

14. A lens as defined in claim 13, wherein the roughness of said convex surface is of the order of micron.

15. A lens as defined in claim 13, wherein the roughness of said concave surface is a maximum of about 0.5 microns.

16. A lens as defined in claim 15, wherein the roughness of said concave surface is a maximum of about 0.2 microns.

17. A lens as defined in claim 1, wherein said contact angle for said convex surface is at most about 65° .

18. A lens as defined in claim 17, wherein said contact angle for said convex surface is a minimum of about 10° .

19. A lens as defined in claim 18, wherein said contact angle for said convex surface is between about 30° and 45° .

20. A lens as defined in claim 1, wherein said contact angle for said concave surface is at most about 75° .

21. A lens as defined in claim 20, wherein said contact angle for said concave surface is a minimum of about 60° .

22. A lens as defined in claim 21, wherein said contact angle for said concave surface is a minimum of about 70° .

23. A lens as defined in claim 1, wherein said contact angles for said surface portions differ by a minimum of about 10° .

24. A lens as defined in claim 1, wherein said contact angles for said surface portions differ by a minimum of about 5° .

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