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ABSTRACT**CRT HAVING A CONTRAST ENHANCING EXTERIOR COATING AND METHOD
OF MANUFACTURING THE SAME**

The invention is a cathode-ray tube (CRT) and method of manufacturing the CRT
5 having a contrast enhancing coating on the exterior surface of the viewing faceplate.
The contrast enhancing coating reduces the transmission of faceplate of the CRT by
about 50%. The coating also yields gloss values in the range of 70 to 90. The
manufacture comprises the steps of preparing an intermediate formulation containing
10 a hydrolyzed organic silicate, diluting the intermediate formulation with an organic
solvent and adding a contrast enhancing material to provide a final formulation,
spraying the final formulation onto the faceplate to form the coating, heating the
faceplate to cure the coating, and rinsing the coating, thereby forming a stable
contrast enhancing coating on the faceplate.

FIG. 1



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