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11/513,869 31 August 2006 (31.08.2006) US(71) Applicant (for all designated States except US): **CORNING INCORPORATED** [US/US]; 1 Riverfront Plaza, Corning, New York 14831 (US).

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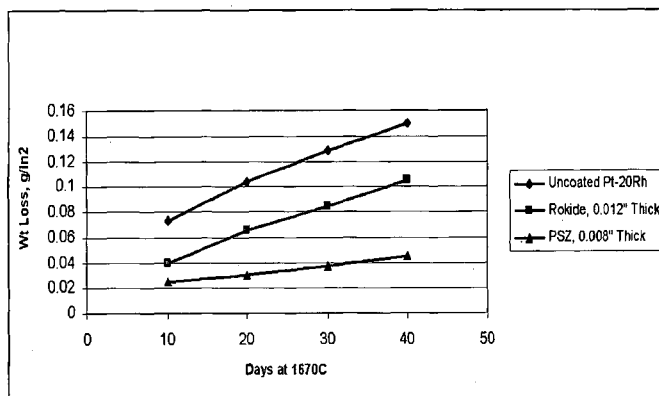
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(54) Title: THERMALLY SPRAYED REFRACTORY OXIDE COATING FOR PRECIOUS METAL GLASS DELIVERY SYSTEMS



(57) Abstract: The invention is directed to a process for reducing the oxidation of a precious metal glass delivery system comprising applying with a thermal spray process a sufficient amount of a material comprising a refractory oxide on the exterior surface of and in contact with the precious metal glass delivery system, thereby reducing the oxidation of the precious metal glass delivery system, with the proviso that the process does not include flame sprayed refractory oxide comprising alumina. The invention also includes a precious metal glass delivery system comprising at least one component of the precious metal glass delivery system comprising a precious metal, wherein the precious metal is in contact with and is coated with a material comprising a refractory oxide on the exterior surface of the precious metal, wherein the refractory oxide has been applied with the process of the invention. The invention also provides a precious metal glass delivery system comprising at least one component of the precious metal glass delivery system comprising a precious metal, wherein the precious metal is in contact with and is coated with a material comprising zirconia on the exterior surface of the precious metal. The invention further includes products made by the process of the invention.



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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

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☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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International application No

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