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Typical TEM image of the cross-sectional area on the large area $\text{Er}_2\text{O}_3/\text{SUS}$ coating using MOCVD process. Newly Er metal organic complex, $(\text{Er}(\text{IBPM})_3)$, caused to form lower temperature Er_2O_3 coating layer. The dense and dendric structured Er_2O_3 layer was formed on the SUS substrate. Recently, the coating formations to the complicated area or inner surface of metal pipe are carried out using the features of vapor deposition. (Yoshimitsu HISHINUMA *et al.*, Plasma and Fusion Research Vol.9, 1405004 (2014) <http://www.jspf.or.jp/PFR/>)

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