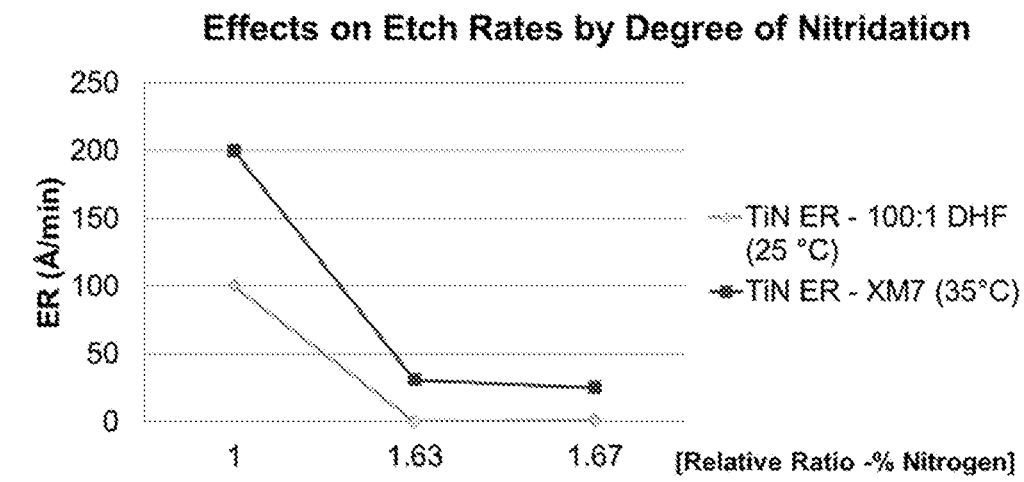


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Figure 1

Graph to illustrate Nitridation Effects on TiN Etch Rates.



- **Relative % Nitrogen of TiN films increase from 1X to 1.6-1.7X**
 - ⇒ **TiN etch rates by 100:1 DHF decrease to < 1%**
 - ⇒ **TiN etch rates by XM-7 decrease to <16%**