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Title: Plasma Boriding of a Cobalt-Chromium Alloy as an Interlayer for Nanostructured Diamond Growth

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Highlights:

- **Metal-boride layer creates a compatible surface for NSD deposition**
- **PECVD boriding on CoCrMo produces robust metal-boride layer**
- **Deposition temperature comparison shows 750 °C boriding masks surface cobalt**
- **EDS shows boron diffusion as well as deposition**
- **Nanoindentation hardness of CoCrMo substantially increases after boriding**

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