

Title (en)

A DOPED DIAMOND-LIKE CARBON COATING

Title (de)

BESCHICHTUNG AUS DOTIERTEM DIAMANTARTIGEM KOHLENSTOFF

Title (fr)

REVETEMENT DE CARBONE DE TYPE DIAMANT DOPE

Publication

**EP 1185721 A1 20020313 (EN)**

Application

**EP 00927213 A 20000516**

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- EP 99201811 A 19990608

Abstract (en)

[origin: WO0075394A1] The invention relates to a silicon-nitrogen doped diamond-like carbon coating. This coating type is characterised by a low surface energy, a high hardness and a good adhesion to the substrate. Such a layer functions as an excellent adhesion promoting layer for a diamond-like carbon composition coating. By repeated alternation of a doped diamond-like carbon layer and a diamond-like carbon composition layer, thick coatings with a good adherence to the substrate and with low internal stresses can be deposited.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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See references of WO 0075394A1

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