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(71)(72) Applicants and Inventors: MOSKOVITS, Martin [CA/CA]; 145 Chiltern Hill Road, Toronto, Ontario M6C 3C3 (CA). FU, Kejian [CN/CA]; Apartment #410, 224 St. George Street, Toronto, Ontario M5R 2N9 (CA). GU, Xijia [CA/CA]; 113 Marbury Crescent, North York, Ontario M3A 2G3 (CA).

(74) Agents: SCHUMACHER, Lynn, C. et al.; Hill & Schumacher, Suite 1600, 372 Bay Street, Toronto, Ontario M5H 2W9 (CA).

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(54) Title: PROCESS OF DIAMOND GROWTH FROM C_{70}

(57) Abstract

A method of growing single crystal diamonds in excess of 10 μm in diameter from industrial diamond "seeds" having mean diameters of approximately 1.5 μm is disclosed. The diamonds are grown by exposing the seed diamonds to C_{70} in the presence of reducing agents such a phosphorus or selenium in evacuated cells at moderate temperatures and pressures.

