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(74) Agents: **ATKINSON, Ian, Anthony** et al.; Element Six Limited, Group Intellectual Property, 3rd Floor, Building 4, Chiswick Park, 566 Chiswick High Road, London Greater London W4 5YE (GB).

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(71) Applicant (*for all designated States except US*): **ELEMENT SIX LIMITED**; Isle of Man Freeport, P.O. Box 6, Ballasalla, IM99 6AQ (GB).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **FRIEL, Ian** [GB/GB]; Element Six Limited, Kings Ride Park, Ascot Berkshire SL5 8BP (GB). **GEOGHEGAN, Sarah, Louise** [GB/GB]; Element Six Limited, Kings Ride Park, Ascot Berkshire SL5 8BP (GB). **TWITCHEN, Daniel, James** [GB/GB]; Element Six Limited, Kings Ride Park, Ascot Berkshire SL5 8BP (GB). **DODSON, Joseph, Michael** [GB/GB]; Element Six Limited, Kings Ride Park, Ascot Bedfordshire SL5 8BP (GB).

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(54) Title: CVD SINGLE CRYSTAL DIAMOND MATERIAL

(57) Abstract: Single crystal diamond material produced using chemical vapour deposition (CVD), and particularly diamond material having properties suitable for use in optical applications such as lasers, is disclosed. In particular, a CVD single crystal diamond material having preferred characteristics of longest linear internal dimension, birefringence and absorption coefficient, when measured at room temperature, is disclosed. Uses of the diamond material, including in a Raman laser, and methods of producing the diamond are also disclosed.



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