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(54) Title: METHOD FOR MAKING FANCY PALE BLUE OR FANCY PALE BLUE /GREEN SINGLE CRYSTAL CVD DIAMOND AND PRODUCT OBTAINED

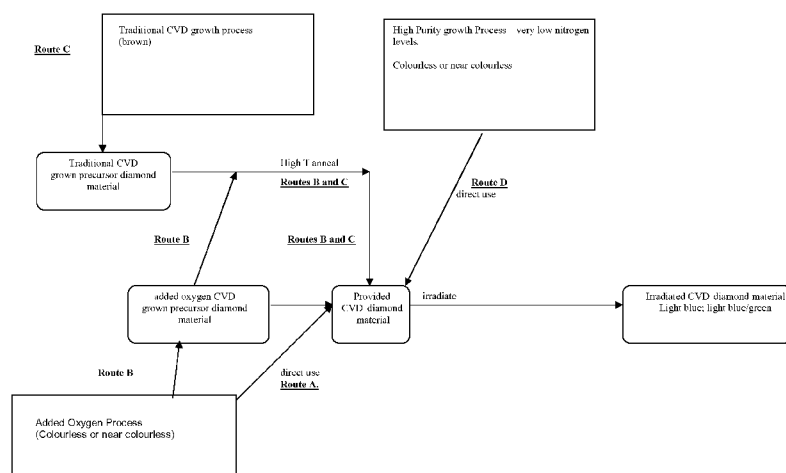


Figure 1

(57) Abstract: A method of making fancy pale blue or fancy pale blue/green CVD diamond material is described. The method comprises irradiating single crystal diamond material that has been grown by a CVD process with electrons to introduce isolated vacancies into the diamond material, the irradiated diamond material having (or after a further post-irradiation treatment having) a total vacancy concentration $[V_T]$ and a path length L such that $[V_T] \times L$ is at least 0.072 ppm cm and at most 0.36 ppm cm, and the diamond material becomes fancy pale blue or fancy pale blue/green in colour. Fancy pale blue diamonds are also described.