11. A method according to any preceding claim, wherein the provided diamond material has been made by a CVD synthesis process.

12. A method according to any preceding claim wherein the diamond material is a single crystal.

13. A method according to claim 12, wherein the single crystal is in the form of a gemstone.

~~14. Diamond material which has an absorption spectrum with one or both of the following characteristics:~~

~~Designation~~	~~Peak~~	~~Absorption coefficient (at peak after baseline subtraction)~~
~~V^0~~	~~741 nm~~	~~0.01 cm^{-1} – 1 cm^{-1} (at 77 K)~~
~~V^-~~	~~394 nm~~	~~0.01 cm^{-1} – 0.5 cm^{-1} (at 77 K)~~

~~15. Diamond material according to claim 14, which is a synthetic diamond.~~

~~16. Diamond material according to claim 15, which is CVD diamond material and which has an absorption spectrum with the following additional characteristics:~~

~~(i)~~

~~Designation~~	~~Starts~~	~~Ends~~	~~Peak~~	~~Absorption coefficient (at peak after baseline subtraction)~~
~~270 nm~~	~~220 nm~~	~~325 nm~~	~~270 nm~~	~~0.05 cm^{-1} – 20 cm^{-1}~~

~~and~~

(ii) one or more of

Designation	Starts	Ends	Peak	Absorption coefficient (at peak after baseline subtraction)
350 nm band	270 nm	450 nm	350 nm ±10 nm	0.05 cm^{-1} – 10 cm^{-1}
510 nm band	420 nm	640 nm	510 nm ±50 nm	0.02 cm^{-1} – 10 cm^{-1}
Designation	Form of Curve			Absorption Coefficient
Ramp	Rising background of form Absorption coefficient (cm^{-1}) = C x λ^{-3} (C=constant, λ in μm)			Contribution at 510 nm is: < 1.5 cm^{-1}

17. Diamond material according to any of claims 14 to 16, which has an absorption coefficient at 570 nm that is less than 0.04 cm^{-1} after baseline subtraction.

18. Diamond material according to any of claims 14 to 17, which has a photoluminescence spectrum in its equilibrium state showing one or more of the following features:

Wavelength (nm)	Raman normalized intensity
512.6	0.095
526.4	0.001
486.2	0.01

19. Diamond material according to any of claims 14 to 18, which is a single crystal.

20. Diamond material according to claim 19, wherein the single crystal is in the form of a gemstone.