WHAT IS CLAIMED IS:

1. A light-emitting element comprising a compound including a dibenzo[*f*,*h*]quinoxaline ring and a hole-transport skeleton which are bonded to each other through an arylene group.

2. The light-emitting element according to claim 1, wherein the hole-transport skeleton is a π-electron rich heteroaromatic ring.

3. The light-emitting element according to claim 2, wherein the π-electron rich heteroaromatic ring is a carbazole ring, a dibenzofuran ring, or a dibenzothiophene ring.

4. The light-emitting element according to claim 1, wherein the arylene group has one or more substituents.

5. The light-emitting element according to claim 4, wherein the substituents are bonded to form a ring.

6. The light-emitting element according to claim 1, wherein the arylene group is any of a substituted or unsubstituted phenylene group, a substituted or unsubstituted biphenyldiyl group, and a substituted or unsubstituted *m*-phenylene group.

7. A light-emitting device comprising the light-emitting element according to claim 1.

8. An electronic device comprising the light-emitting device according to claim 7.

9. A lighting device comprising the light-emitting device according to claim 7.

10. A light-emitting element comprising a light-emitting material and a compound including a dibenzo[*f*,*h*]quinoxaline ring and a hole-transport skeleton which are bonded to each other through an arylene group.

11. The light-emitting element according to claim 10, wherein the hole-transport skeleton is a π-electron rich heteroaromatic ring.

12. The light-emitting element according to claim 11, wherein the π-electron rich heteroaromatic ring is a carbazole ring, a dibenzofuran ring, or a dibenzothiophene ring.

13. The light-emitting element according to claim 10, wherein the arylene group has one or more substituents.

14. The light-emitting element according to claim 13, wherein the substituents are bonded to form a ring.

15. The light-emitting element according to claim 10, wherein the arylene group is any of a substituted or unsubstituted phenylene group, a substituted or unsubstituted biphenyldiyl group, and a substituted or unsubstituted *m*-phenylene group.

16. A light-emitting device comprising the light-emitting element according to claim 10.

17. An electronic device comprising the light-emitting device according to claim 16.

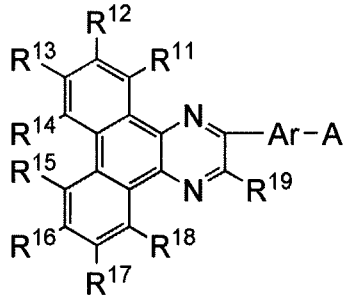
18. A lighting device comprising the light-emitting device according to claim 16.

WHAT IS CLAIME IS:

[Claim 1]

A compound represented by Formula (G1).

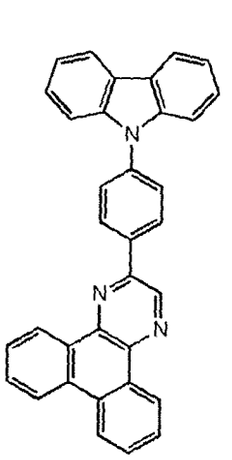
[Chemical Formula 1]

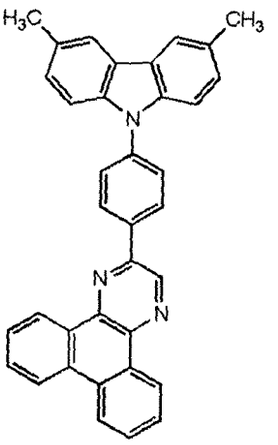


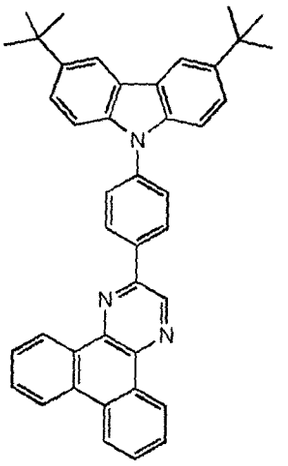

(G1)

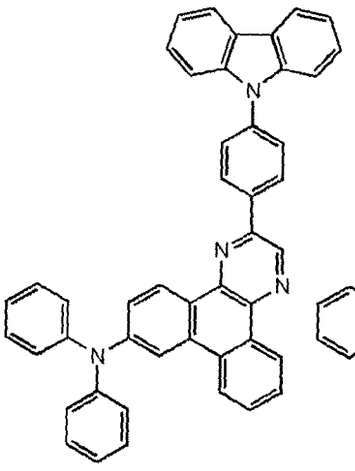
(in the formula, A represents a substituted or unsubstituted carbazolyl group; $R^{11}$ to $R^{18}$ independently represent any one of hydrogen, an alkyl group having 1 to 4 carbon atoms, and a substituted or unsubstituted aryl group having 6 to 13 carbon atoms; $R^{19}$ represents any one of hydrogen, an alkyl group having 1 to 4 carbon atoms, and an unsubstituted aryl group; and Ar represents an arylene group having 6 to 13 carbon atoms. The arylene group may include substituents and the substituents may be bonded to each other to form a ring. Note that compounds represented by the following formulae are excluded.)

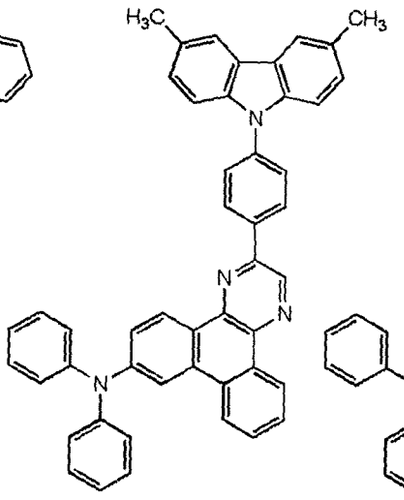
[Chemical Formulae 2]

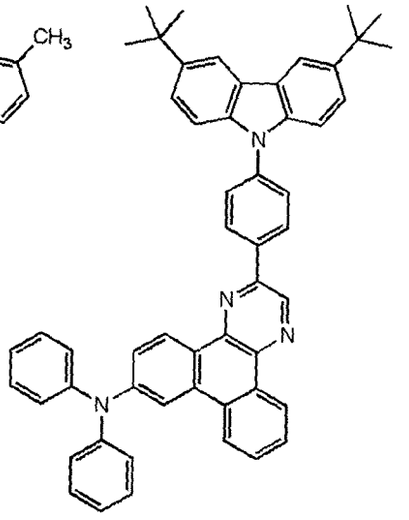




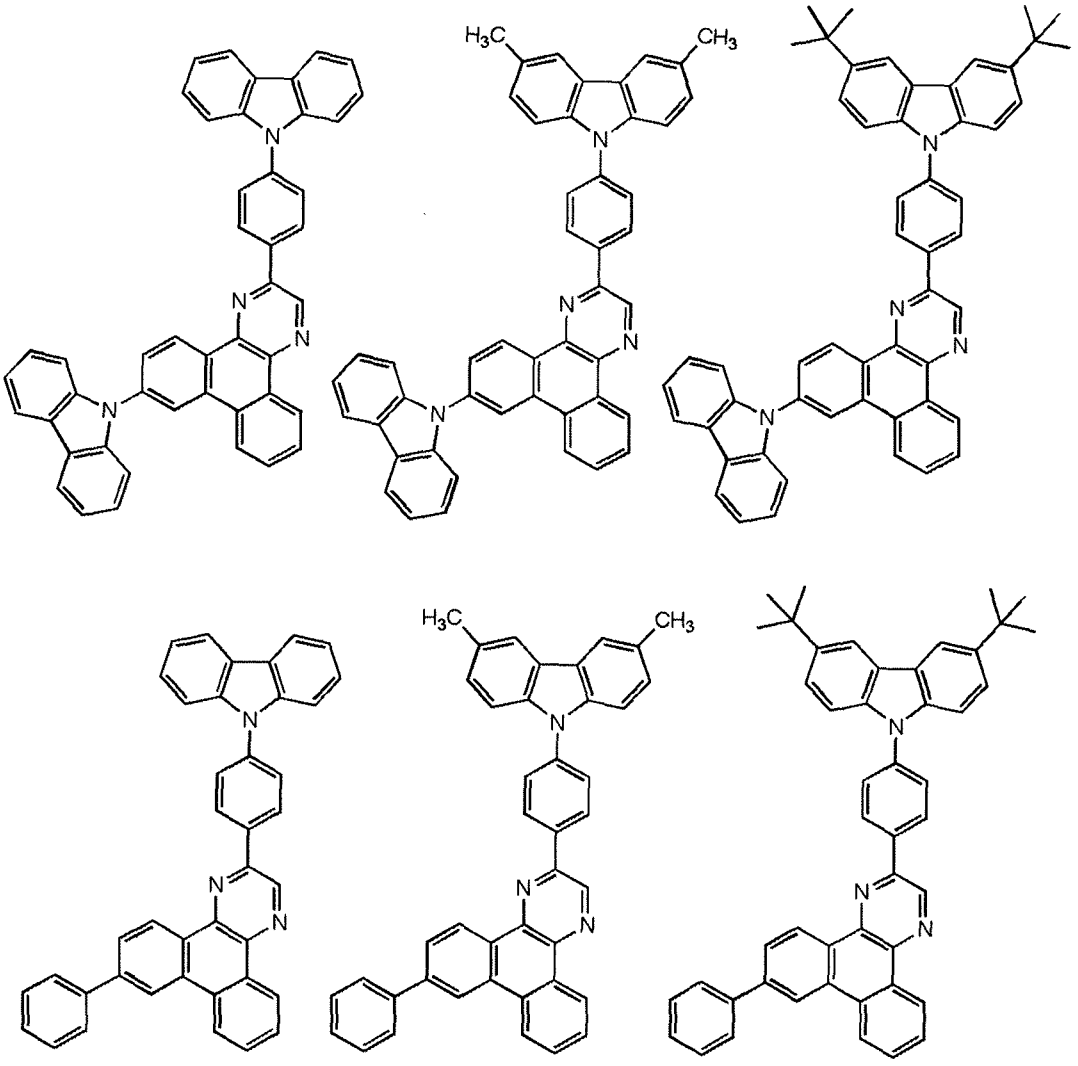








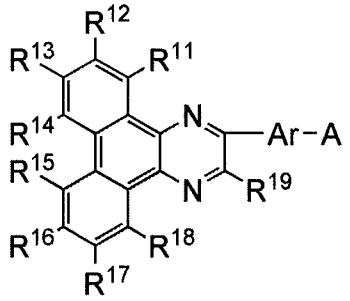
[Chemical Formulae 3]



[Claim 2]

A compound represented by Formula (G1).

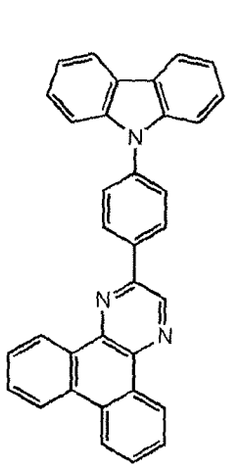
[Chemical Formula 4]

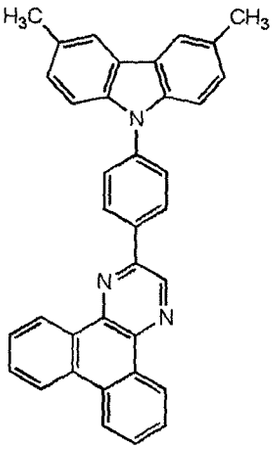


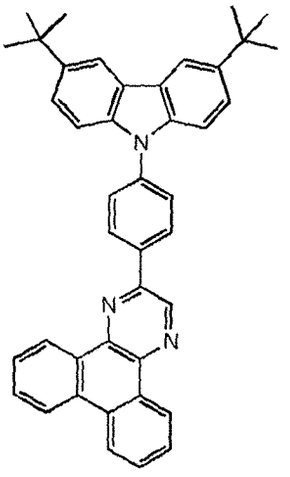

(G1)

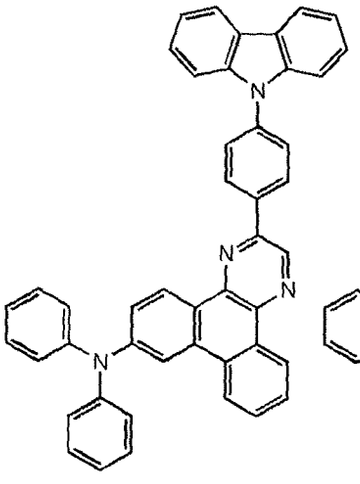
(in the formula, A represents a substituted or unsubstituted carbazolyl group; $R^{11}$ to $R^{18}$ independently represent any one of hydrogen, an alkyl group having 1 to 4 carbon atoms, and a substituted or unsubstituted aryl group having 6 to 13 carbon atoms; $R^{19}$ represents hydrogen; and Ar represents an arylene group having 6 to 13 carbon atoms. The arylene group may include substituents and the substituents may be bonded to each other to form a ring. Note that compounds represented by the following formulae are excluded.)

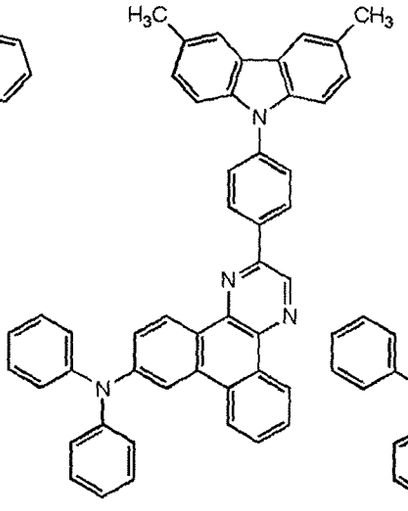
[Chemical Formulae 5]

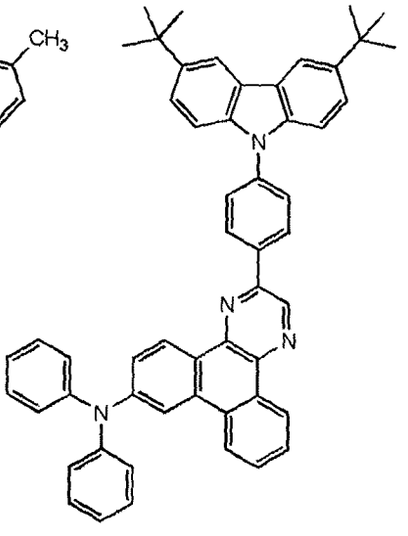




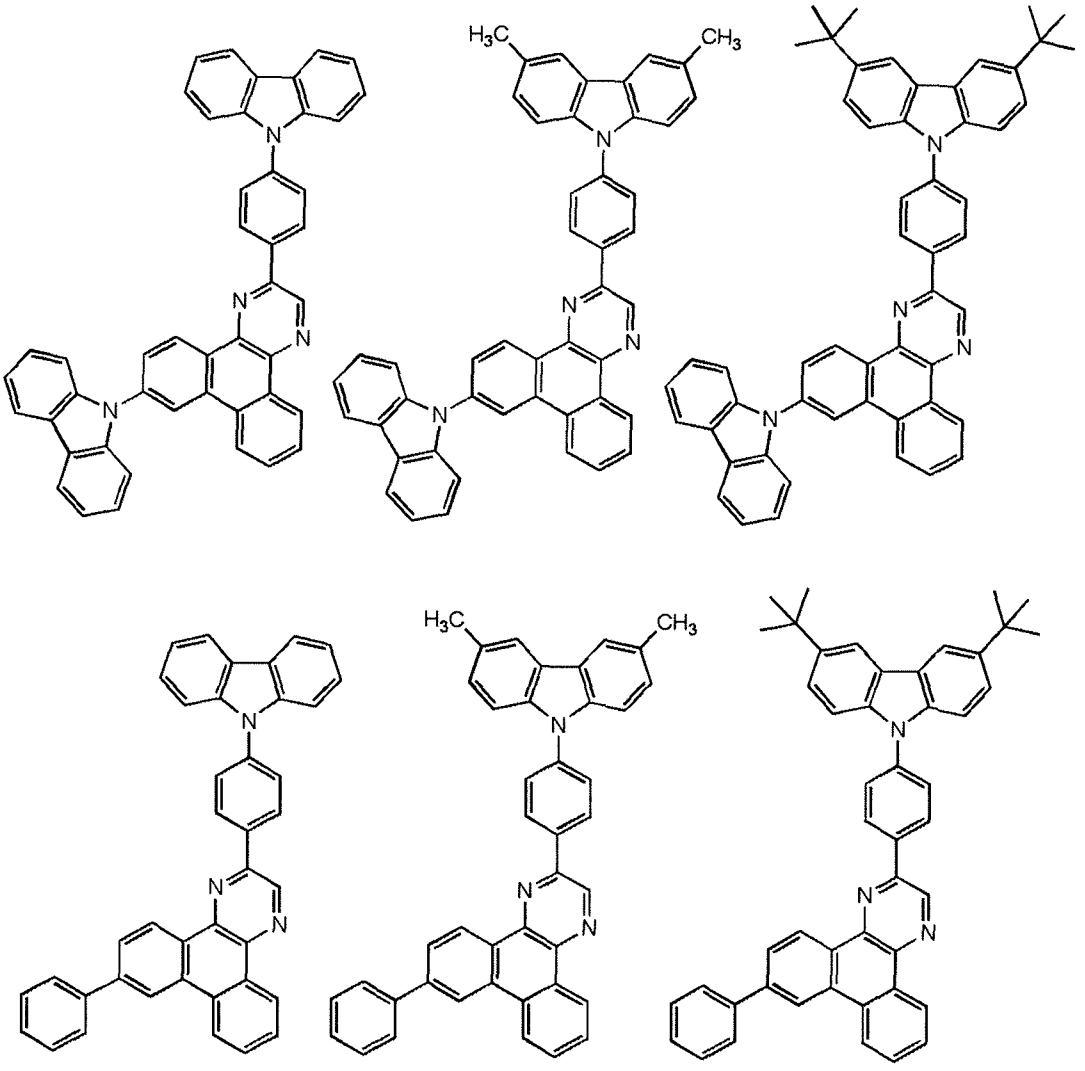








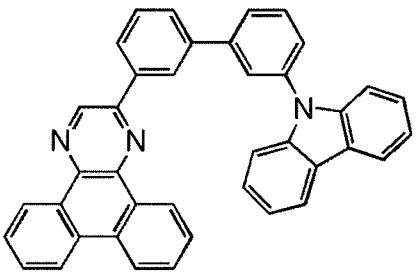
[Chemical Formulae 6]



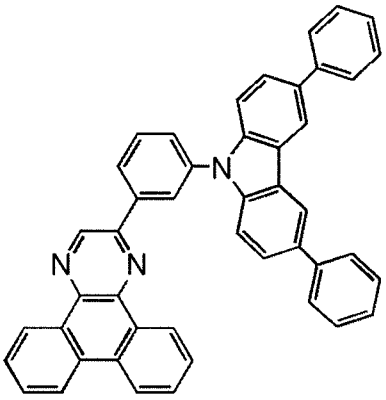
[Claim 3]

A compound represented by any one of Formula (309), Formula (326), Formula (338), and Formula (400).

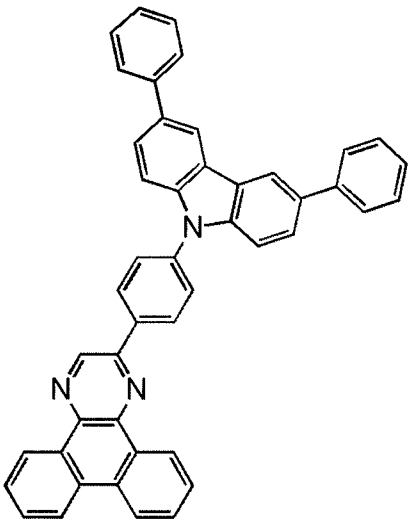
[Chemical Formulae 7]



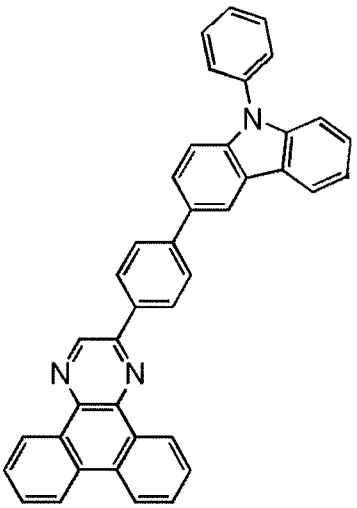
(309)



(326)



(338)



(400)