WHAT IS CLAIMED IS:

1. A thermosetting resin composition comprising:

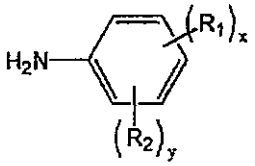
(A) a curing agent having an acidic substituent and an unsaturated maleimide group which is produced by reacting (a-1) a maleimide compound having at least two N-substituted maleimide groups in a molecule with (a-2) an amine compound having an acidic substituent represented by the following Formula (1) in an organic solvent,

(B) a 6-substituted guanamine compound represented by the following Formula (2) and/or dicyandiamide,

(C) a copolymer resin comprising (c-1) a monomer unit represented by the following Formula (3) and (c-2) a monomer unit represented by the following Formula (4) and

(D) an epoxy resin having at least two epoxy groups in a molecule:

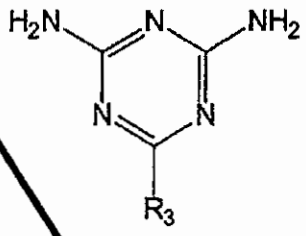
[Ka 1]



(1)

(wherein R_1 each represents independently an acidic substituent selected from a hydroxyl group, a carboxy group and a sulfonic acid group; R_2 each represents independently a hydrogen atom, an aliphatic hydrocarbon group having 1 to 5 carbon atoms or a halogen atom; x is an integer of 1 to 5, and y is an integer of 0 to 4; and a sum of x and y is 5);

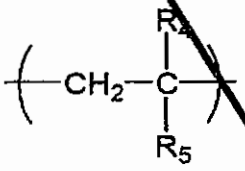
[Ka 2]



(2)

(wherein R_3 represents phenyl, methyl, allyl, butyl, methoxy or benzyloxy);

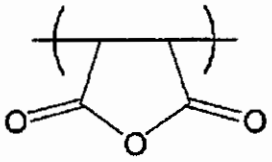
[Ka 3]



(3)

(wherein R_4 and R_5 each represent independently a hydrogen atom, a halogen atom, a hydrocarbon group having 1 to 5 carbon atoms, a phenyl group or a substituted phenyl group);

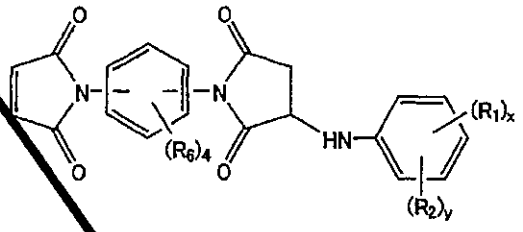
[Ka 4]



(4)

2. The thermosetting resin composition according to claim 1, wherein the curing agent (A) is a compound represented by the following Formula (5) or the following Formula (6):

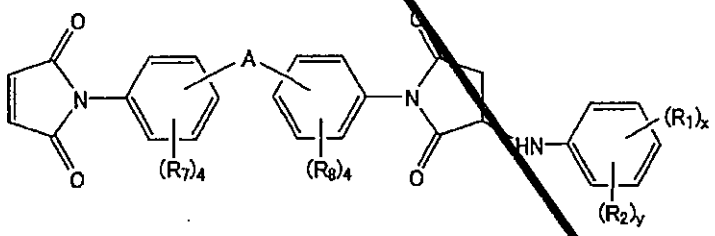
[Ka 5]



(5)

(wherein R_1, R_2, x and y represent the same ones as in Formula (1); R_6 each represents independently a hydrogen atom, an aliphatic hydrocarbon group having 1 to 5 carbon atoms or a halogen atom):

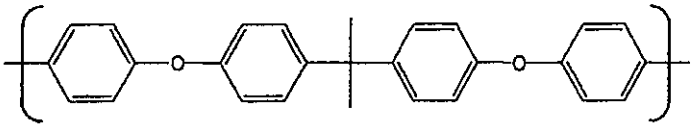
[Ka 6]



(6)

(wherein R_1, R_2, x and y represent the same ones as in Formula (1); R_7 and R_8 each represents independently a hydrogen atom, an aliphatic hydrocarbon group having 1 to 5 carbon atoms or a halogen atom; and A is an alkylene group, an alkylidene group, an ether group, a sulfonyl group or a group represented by the following Formula (7);

[Ka 7]



(7)

3. A prepreg obtained by impregnating or coating a base

material with the thermosetting resin composition according to claim 1 or 2 and then subjecting it to a B stage.

4. A laminated plate obtained by laminating and molding the prepreg according to claim 3.

WHAT IS CLAIMED IS:

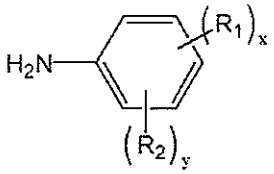
1. A thermosetting resin composition comprising:

(A) a curing agent having an acidic substituent and an unsaturated maleimide group which is produced by reacting (a-1) a maleimide compound having at least two N-substituted maleimide groups in a molecule with (a-2) an amine compound having an acidic substituent represented by the following Formula (1) in an organic solvent, wherein (a-2) the amine compound is m-aminophenol or p-aminophenol,

(B) a 6-substituted guanamine compound represented by the following Formula (2) and/or dicyandiamide,

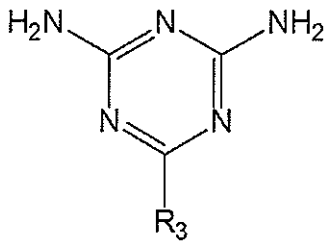
(C) a copolymer resin comprising (c-1) a monomer unit represented by the following Formula (3) and (c-2) a monomer unit represented by the following Formula (4) and

(D) an epoxy resin having at least two epoxy groups in a molecule:



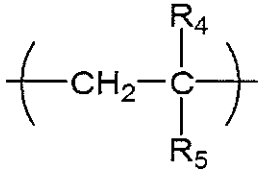
(1)

wherein R_1 each represents independently an acidic substituent selected from a hydroxyl group, a carboxy group and a sulfonic acid group; R_2 each represents independently a hydrogen atom, an aliphatic hydrocarbon group having 1 to 5 carbon atoms or a halogen atom; x is an integer of 1 to 5, and y is an integer of 0 to 4; and a sum of x and y is 5;



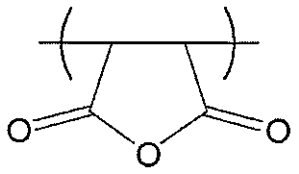
(2)

wherein R_3 represents phenyl, methyl, allyl, butyl, methoxy or benzyloxy;



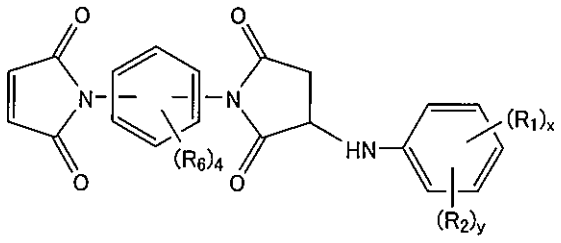
(3)

wherein R_4 and R_5 each represent independently a hydrogen atom, a halogen atom, a hydrocarbon group having 1 to 5 carbon atoms, a phenyl group or a substituted phenyl group;



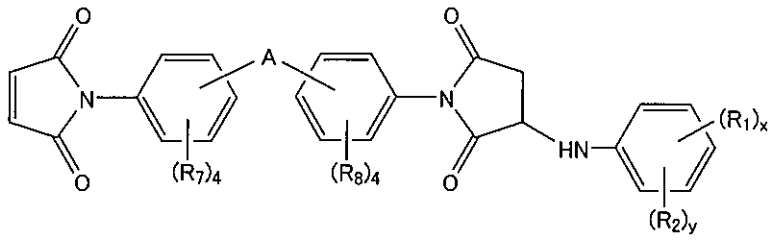
(4)

wherein the curing agent (A) is a compound represented by the following Formula (5) or the following Formula (6):



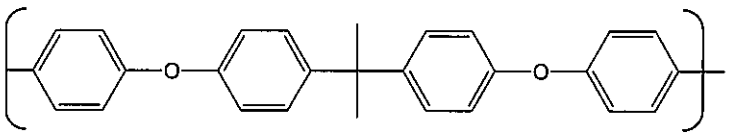
(5)

wherein R_1, R_2, x and y represent the same ones as in Formula (1); R_6 each represents independently a hydrogen atom, an aliphatic hydrocarbon group having 1 to 5 carbon atoms or a halogen atom:



(6)

wherein R_1, R_2, x and y represent the same ones as in Formula (1); R_7 and R_8 each represents independently a hydrogen atom, an aliphatic hydrocarbon group having 1 to 5 carbon atoms or a halogen atom; and A is an alkylene group, an alkylidene group, an ether group, a sulfonyl group or a group represented by the following Formula (7);



(7)

2. A prepreg obtained by impregnating or coating a base material with the thermosetting resin composition according to claim 1 and then subjecting it to a B stage.

3. A laminated plate obtained by laminating and molding the prepreg according to claim 2.