

Grounds Instituted for Trial

'569 Patent (IPR2013-00505)

Reference	Basis	Challenged Claims
Kanebo (Ex. 1006)	§103	1-12, 15, 17-19, 23, 26, 28-30, and 32

'300 Patent (IPR2013-00509)

Reference	Basis	Challenged Claims
Kanebo (Ex. 1006)	§102(b)	1, 2, 4, 5, 11, 13, 16, 17, and 20
Kanebo (Ex. 1006)	§103	3, 18 and 25
Evans (Ex. 1010)	§103	1, 12, 16, 19, and 24

'569 Patent – Claim 1

1. A shampoo composition comprising:

- a) from about 5% to about 50%, by weight, of an anionic surfactant;
- b) from about 0.01% to about 10%, by weight, of a non-volatile conditioning agent;
- c) from about 0.1% to about 4%, by weight, of an anti-dandruff particulate;
- d) from about 0.02% to about 5%, by weight, of a cationic polymer;
- e) water;
- f) from about 0.1% to about 10%, by weight of the composition, of a suspending agent;

wherein said composition:

- has a bioavailability/coverage index value, of at least about 1.25;
- has a first conditioning index value, of less than or equal to about 1.0;
- has a second conditioning index value, of at least about 1.5; and
- has a minimal inhibitory concentration index value, of at least about 0.125.

'569 Patent – Claims 10, 18, 19

10. A shampoo composition according to claim 1, wherein said suspending agent is ethylene glycol distearate.

18. A shampoo composition according to claim 1, wherein said cationic polymer is selected from the group consisting of guar derivatives, cellulose derivatives, and mixtures thereof.

19. A shampoo composition according to claim 18, wherein at least one of said guar derivatives is guar hydroxypropyltrimonium chloride.

Kanebo (Ex. 1006) (filed January 9, 1996)

[0037] Example 10 (Anti-dandruff shampoo)	(in %)
• Ammonium lauryl sulphate	10.0
• POE (3) lauryl ether sodium sulphate	5.0
• Triethanolamine N-lauroyl-L-glutamate	3.0
• Coconut oil fatty acid isopropanolamide	2.0
• Dimethyl polysiloxane (1,000 cSt; 25 °C)	5.0
• Cationized cellulose derivative (Trade name: Catinal HC-200 manufactured by Toho Kagaku Kogyo)	1.0
• Ethylene glycol dimyristate	2.0
• Dipropylene glycol	1.0
• Zinc pyrithione	0.5
• Highly polymerized polyethylene glycol (Trade name: Polyox WSR-301; manufactured by UCC)	0.1
• Citric acid	0.1
• Antiseptic agent	0.1
• Pigment and perfume	q.s.
• Water	balance

[0038] The anti-dandruff shampoo of the above composition was prepared according to the conventional method and evaluation was conducted for its spreadability and running of the fingers through the hair upon application, usability upon rinsing, feeling of the finish and dispersing stability whereupon any of those characteristic properties was excellent showing good results.

Kanebo (Ex. 1006)

[0014] The high molecular compound (excluding dimethyl polysiloxane) used in the present invention has the viscosity of 1,000 to 100,000 cps when measured by a B-type viscometer at 25°C in a form of a 1% aqueous solution or a 1% aqueous dispersion. When the compound where the viscosity is less than 1,000 cps is used, good dispersing stability is not available. When the compound where the viscosity is more than 1,000,000 cps is used, good dispersing stability and usability are not available. The high molecular compound as such may be any of anionic, cationic, amphoteric and nonionic ones and, for achieving the best conditioning effect, it is preferred to use a cationic polymer such as cationized cellulose derivative, cationized guar gum derivative, quaternized polyvinylpyrrolidone derivative, dimethyldiallylammonium chloride derivative, polyglycol polyamine condensate, cationized starch and cationized polypeptide. Cationized cellulose derivative such as Catinal HC-200 [trade name; manufactured by Toho Kagaku Kogyo] is particularly preferred.

[0015] Each of those high molecular compounds may be used solely or two or more thereof may be used jointly. For achieving good dispersing stability and usability, it is preferred to be compounded in the composition of the present invention in an amount of 0.01 to 5%.

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