WHAT IS CLAIMED IS:

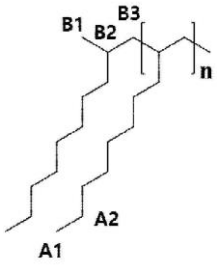
1. An alphaolefin oligomer, which is a hydrogenated alphaolefin oligomer comprising at least one hydrogenated alphaolefin oligomer, the hydrogenated alphaolefin oligomer having a uniform molecular structure with a weight average molecular weight of from 697 to 1300, having a kinematic viscosity at 40°C of 35.0 cSt or less, and having a branch ratio of 0.265 or less as represented by Equation (1) below.

Branch ratio = P1/P2 (1)

(wherein P1 is an amount of a CH_3 group and P2 is an amount of a CH_2 group, the amount of the CH_2 group and the amount of the CH_3 group being measured through ^1H-NMR)

2. The hydrogenated alphaolefin oligomer of claim 1, wherein the hydrogenated alphaolefin oligomer is configured such that carbon at position B2 in Structural Formula 1 below has a T_1 relaxation time of less than 0.6 at 298 K as measured by an NMR pulse sequence.

[Structural Formula 1]



(wherein n = 1 to 9)

3. The hydrogenated alphaolefin oligomer of claim 2, wherein carbon at position B3 of the hydrogenated alphaolefin oligomer has a T_1 relaxation time of less than 0.5 at 298 K as measured by the NMR pulse sequence.

4. The hydrogenated alphaolefin oligomer of claim 2, wherein carbon at position B3 of the hydrogenated alphaolefin oligomer is tertiary carbon (CH group) or secondary carbon (CH2 group).

5. The hydrogenated alphaolefin oligomer of claim 2, wherein carbon at position A1 of the hydrogenated alphaolefin oligomer has a T_1 relaxation time of 2.35 or more at 298 K as measured by the NMR pulse sequence.

6. The hydrogenated alphaolefin oligomer of claim 2, wherein carbon at position A2 of the hydrogenated alphaolefin oligomer has a T_1 relaxation time 10 of 2.20 or more at 298 K as measured by the NMR pulse sequence.

7. The hydrogenated alphaolefin oligomer of claim 1, wherein the hydrogenated alphaolefin oligomer has a flash point of 235℃ or more.

8. The hydrogenated alphaolefin oligomer of claim 1, wherein the hydrogenated alphaolefin oligomer has a Noack volatility of less than 12%.

9. The hydrogenated alphaolefin oligomer of claim 1, wherein the hydrogenated alphaolefin oligomer has a pour point of -50℃ or less.

10. The hydrogenated alphaolefin oligomer of claim 1, wherein the hydrogenated alphaolefin oligomer has a kinematic viscosity at 100℃ of 6.3 cSt or less.

11. The hydrogenated alphaolefin oligomer of claim 1, wherein the hydrogenated alphaolefin oligomer contains 0.1 to 3.5 wt% of a dimer.

12. The hydrogenated alphaolefin oligomer of any one of claims 1 to 10 and 11, wherein the hydrogenated alphaolefin oligomer is used as a lubricant base oil.

13. A lubricant composition comprising the hydrogenated alphaolefin oligomer of claim 12.