

**POLYALPHAOLEFIN HAVING UNIFORM STRUCTURE AND METHOD OF PREPARING
SAME**

ABSTRACT

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The present invention relates to a polyalphaolefin having a uniform structure and a method of preparing the same, and more particularly to a method of preparing polyalphaolefin having a uniform comb-like structure by minimizing the formation of short
10 chain branches, which deteriorate the properties of lubricant base oil, using a homogeneous single-active-site metallocene catalyst, an organometallic compound cocatalyst and an organoboron compound promoter.

15 [Fig. 2]