

ABSTRACT

HIGHLY AROMATIC BASE OIL AND METHOD FOR PRODUCING HIGHLY AROMATIC BASE OIL

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Demand for rubber compounding oils is increasing and thus, the recycling of asphalt pavement is on the increase. Accordingly, the demand for improved methods of asphalt reclamation exist. The present invention relates to a method for producing a highly aromatic base oil for use in rubber processing, asphalt reclamation and the like and includes a first step of hydrotreating a clarified oil to obtain a hydrotreated oil; and a second step of fractionation-treating and/or adsorption-treating the hydrotreated oil to obtain a highly aromatic base oil having an aromatic content of 50 % by mass or more determined by a column chromatography analysis method, a content of benzo(a)pyrene of 1 ppm by mass or less, and a total content of the following aromatic compounds 1) to 8): 1) benzo(a)pyrene, 2) benzo(e)pyrene, 3) benzo(a)anthracene, 4) chrysene, 5) benzo(b)fluoranthene, 6) benzo(j)fluoranthene, 7) benzo(k)fluoranthene, and 8) dibenzo(a,h)anthracene of 10 ppm by mass or less.

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NO FIG.