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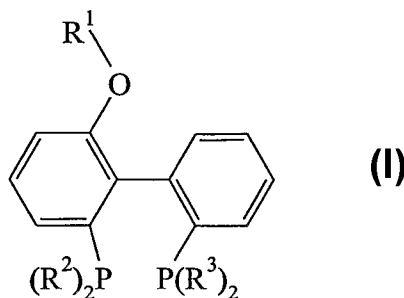
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(54) Title: PROCESS FOR THE PREPARATION OF ASYMMETRICALLY SUBSTITUTED BIARYLDIPHOSPHINES



(57) Abstract: Provided is a process for the preparation of asymmetrically substituted biaryldiphosphine ligands of the formula (I), wherein R¹ is C₁₋₆-alkyl or C₃₋₁₀-cycloalkyl optionally substituted with one or more halogen atoms, and R² and R³ are equal and are selected from the group consisting of aryl, C₅₋₁₀-cycloalkyl and C₁₋₆-alkyl, or R² is C₅₋₁₀-cycloalkyl or C₁₋₆-alkyl, and R³ is aryl optionally substituted with one or more substituents selected from the group consisting of halogen atoms, nitro, amino, C₁₋₆-alkyl, C₃₋₆-alkoxy and di-C₁₋₆-alkylamino groups, and each C₁₋₆-alkyl, C₅₋₁₀-cycloalkyl, C₁₋₆-alkoxy and di-C₁₋₆-alkylamino group in R² and R³ optionally being substituted with one or more halogen atoms, from 2,2',6,6'-tetrabromobiphenyl by a sequence of brominemetall exchanges and subsequent reactions.



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