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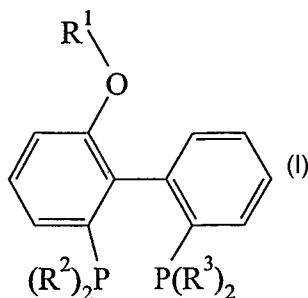
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(54) Title: PROCESS FOR THE PREPARATION OF ASYMMETRICALLY SUBSTITUTED BIARYLDIPHOSPHINES



(57) Abstract: Provided is a process for the preparation of asymmetrically substituted biaryldiphosphine ligands of the formula, (I) wherein R^1 is C_{1-6} -alkyl or C_{3-10} -cycloalkyl optionally substituted with one or more halogen atoms, and R^2 and R^3 are equal and are C_{5-10} -cycloalkyl or C_{1-6} -alkyl, or R^2 is C_{5-10} -cycloalkyl or C_{1-6} -alkyl, and R^3 is aryl optionally substituted with one or more substituents selected from the group consisting of halogen atoms, nitro, amino, C_{1-6} -alkyl, C_{1-6} -alkoxy and di- C_{1-6} -alkylamino groups, and each C_{1-6} -alkyl, C_{1-6} -alkoxy, di- C_{1-6} -alkylamino and C_{5-10} -cycloalkyl group in R^2 and R^3 optionally being substituted with one or more halogen atoms, from 2,2', 6, 6'-tetra-bromobiphenyl by a sequence of bromine-metal exchanges and subsequent reactions.