

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
7 September 2001 (07.09.2001)

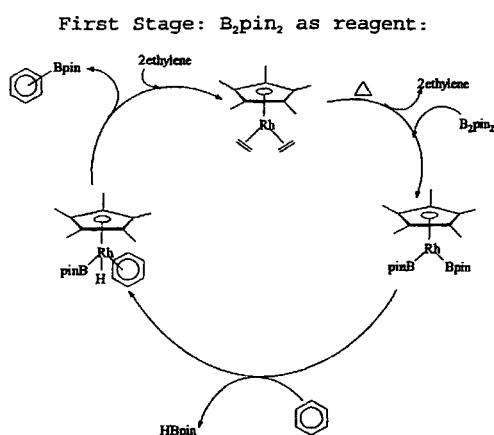
PCT

(10) International Publication Number
WO 01/64688 A1

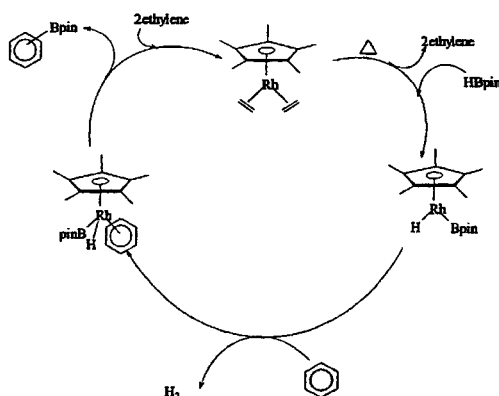
- (51) International Patent Classification⁷: C07F 5/02, (72) Inventors: CHEN, Huiyuan; 470 Prospect Street, Apt 79, New Haven, CT 06511 (US). HARTWIG, John, F.; 285 Green Street, New Haven, CT 06511 (US). SEMPLE, Thomas, Carl; 401 Falling Leaf Drive, Friendswood, TX 77546 (US).
- (21) International Application Number: PCT/EP01/02406
- (22) International Filing Date: 1 March 2001 (01.03.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 09/516,896 1 March 2000 (01.03.2000) US
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,

[Continued on next page]

(54) Title: SELECTIVE, CATALYTIC, THERMAL FUNCTIONALIZATION OF SECONDARY OR AROMATIC C-H CYCLIC HYDROCARBON BONDS



Second Stage: HBpin as reagent



(57) Abstract: A process for functionalizing a cyclic hydrocarbon at a secondary or aromatic C-H cyclic hydrocarbon bond comprising thermally reacting a functionalizing reagent and the cyclic hydrocarbon in the presence of a catalyst, said catalyst comprising: a) a source of rhodium; b) a source of a 3 to 8, cyclic or non-cyclic, aromatic or non-aromatic, neutral, cationic or anionic, substituted or unsubstituted, electron donor moiety which does not dissociate under thermal reaction conditions; and c) a source of ligands capable of formally donating an electron pair to rhodium and which dissociate thermally; and wherein said functionalizing reagent comprises a source of boron.

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IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

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Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*