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(21) International Application Number: PCT/US97/03966 (22) International Filing Date: 13 March 1997 (13.03.97) (30) Priority Data: 08/628,181 4 April 1996 (04.04.96) US (71) Applicant: UNIROYAL CHEMICAL COMPANY, INC. [US/US]; World Headquarters, Middlebury, CT 06749 (US). (72) Inventors: WHEELER, Edward, L.; 126 Claxton Avenue, Watertown, CT 06795 (US). MALZ, Russell, E., Jr.; 261 Wedgewood Drive, Naugatuck, CT 06770 (US). SIMON, Mark, W.; 64-3 Deerwood Lane, Waterbury, CT 06704 (US). (74) Agent: THOMPSON, Raymond, D.; Uniroyal Chemical Company, Inc., World Headquarters, Middlebury, CT 06749 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, <u>SG</u> , SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: PREPARATION OF SUBSTITUTED AROMATIC AMINES (57) Abstract A method for producing aromatic amines such as N-phenyl-p-phenylenediamine is disclosed wherein an amine substituted aromatic such as aniline is oxidized with oxygen or hydrogen peroxide in the presence of a preferred trisodium pentacyano ferrate(II) complex containing various water soluble ligands, such as ammonia, mono alkyl amine, dialkyl amines, and trialkyl amines. The complex is subsequently catalytically reduced by hydrogenation using certain heterogeneous metal catalysts to yield the desired aromatic amine.		