BAYER AKTIENGESELLSCHAFT Form F-6 POS December 19, 2007

As filed with the Securities and Exchange Commission on December 19, 2007. Registration No. 333-14266

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

POST-EFFECTIVE AMENDMENT NO. 1

TO

FORM F-6

REGISTRATION STATEMENT

under

THE SECURITIES ACT OF 1933

For Depositary Shares

BAYER AKTIENGESELLSCHAFT

(Exact name of issuer of deposited securities as specified in its charter)

N/A

(Translation of issuer's name into English)

Federal Republic of Germany

(Jurisdiction of incorporation or organization of issuer)

THE BANK OF NEW YORK

(Exact name of depositary as specified in its charter)

One	Wall	Street	New	York.	N.Y.	10286

(212) 495-1784

(Address, including zip code, and telephone number, including	g area code, of depositary's principal executive offices)
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The Bank of New York

ADR Division

One Wall Street, 29th Floor

New York, New York 10286

(212) 495-1784

(Address, including zip code, and telephone number, including area code, of agent for service)

Copies to:

Peter B. Tisne, Esq.

Emmet, Marvin & Martin, LLP

120 Broadway

New York, New York 10271

(212) 238-3010

It is proposed that this filing become effective under Rule 466

[] immediately upon filing

[] on (Date) at (Time).

If a separate registration statement has been filed to register the deposited shares, check the following box. []

The prospectus consists of the proposed form of American Depositary Receipt included as Exhibit A to the form of
Amended and Restated Deposit Agreement filed as Exhibit 1 to this Registration Statement which is incorporated
herein by reference.

PART I

INFORMATION REQUIRED IN PROSPECTUS

Item - 1.

Description of Securities to be Registered

Cross Reference Sheet

Location in Form of Receipt

Item Number and Caption

Filed Herewith as Prospectus

Introductory Article

Name and address of depositary

2. Face of Receipt, top center

Title of American Depositary Receipts and identity of deposited securities

Terms of Deposit:

(i) The amount of deposited securities represented by one unit of Face of Receipt, upper right American Depositary Receipts corner

(ii) The procedure for voting, if any, the deposited securities Articles number 15, 16 and 18 (iii) The collection and distribution of dividends Articles number 4, 12, 13, 15 and 18 (iv) The transmission of notices, reports and proxy soliciting Articles number 11, 15, 16, 18 and material (v) The sale or exercise of rights Articles number 13, 14, 15 and 18 (vi) The deposit or sale of securities resulting from dividends, Articles number 12, 13, 15, 17 and splits or plans of reorganization (vii) Amendment, extension or termination of the deposit Articles number 20 and 21 agreement (viii) Rights of holders of Receipts to inspect the transfer books Article number 11 of the depositary and the list of holders of Receipts (ix) Restrictions upon the right to deposit or withdraw the Articles number 2, 3, 4, 5, 6, 8, 22, underlying securities 24 and 25 (x) Limitation upon the liability of the depositary Articles number 14, 18, 19, 21 and 26 3. Fees and Charges Articles number 7 and 8

Item - 2.

Available Information

Public reports furnished by issuer

Article number 11

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item - 3.

Exhibits

(a)

The Depositary hereby undertakes to make available at the principal office of the Depositary in the United States, for inspection by holders of the depositary shares, any reports and communications received from the issuer of the deposited securities which are both (1) received by the Depositary as the holder of the deposited securities, and (2) made generally available to the holders of the underlying securities by the issuer.

(b)

If the amounts of fees charged are not disclosed in the prospectus, the Depositary undertakes to prepare a separate document stating the amount of any fee charged and describing the service for which it is charged and to deliver promptly a copy of such fee schedule without charge to anyone upon request. The Depositary undertakes to notify each registered holder of depositary shares thirty days before any change in the fee schedule.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that all the requirements for filing on Form F-6 are met and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of New York, State of New York, on December 19, 2007.

Legal entity created by the agreement for the issuance of depositary shares representing ordinary bearer shares of Bayer Aktiengesellschaft.

By:

The Bank of New York,

As Depositary

By:

/s/ Keith G. Galfo

Name: Keith G. Galfo

Title: Vice President

Pursuant to the requirements of the Securities Act of 1933, Bayer Aktiengesellschaft has caused this Registration Statement to be signed on its behalf by the undersigned thereunto duly authorized, in Leverkusen, Germany , on December 14, 2007.

BAYER AKTIENGESELLSCHAFT

By: <u>/s/ Dr. Roland Hartwig</u> Name: Dr. Roland Hartwig

Title: General Counsel

Each person whose signature appears below hereby constitutes and appoints Dr. Manfred Schneider and Werner Wenning, and each of them severally, his or her true and lawful attorney-in-fact with power of substitution and resubstitution to sign in his or her name, place and stead in any and all capacities the Registration Statement and any and all amendments thereto (including post-effective amendments) and any documents in connection therewith, and to file the same with the Securities and Exchange Commission, granting unto each of said attorneys full power to act with or without the other, and full power and authority to do and perform, in his or her name and on his or her behalf, every act whatsoever which such attorneys, or any one of them, may deem necessary or desirable to be done in connection therewith as fully and to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorney-in-fact, or any of them, or their substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed below by the following persons in the capacities indicated on December 18, 2007.

/s/ Mr. Werner Wenning

Chairman (principal executive officer)

Mr. Werner Wenning

/s/ Mr. Klaus Kühn

Director (principal financial and accounting officer)

Mr. Klaus Kühn

/s/ Dr. Wolfgang Plischke

Director

Dr. Wolfgang Plischke

/s/ Dr. Richard Pott	
Director	
Dr. Richard Pott	
/s/ George Lykos	
Authorized Represen	ntative in the United States
George Lykos	
	INDEX TO EXHIBITS
<u>Exhibit</u>	
Number	Exhibit
1	Form of Amended and Restated Deposit Agreement dated as of, 2007, among Bayer Aktiengesellschaft, The Bank of New York as

Depositary, and all Owners and holders from time to time of American Depositary Shares issued thereunder.