

SECURITIES AND EXCHANGE COMMISSION

FORM 485BXT

Post-effective amendments to designate new effective dates

Filing Date: **2013-01-11**
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FILER

ING MUTUAL FUNDS

CIK:[895430](#) | IRS No.: **000000000** | State of Incorporation: **DE** | Fiscal Year End: **1231**
Type: **485BXT** | Act: **33** | File No.: **033-56094** | Film No.: **13525136**

Mailing Address
*7337 E DOUBLETREE
RANCH ROAD, STE 100
SCOTTSDALE AZ 85258*

Business Address
*7337 E DOUBLETREE
RANCH ROAD, STE 100
SCOTTSDALE AZ 85258
18009920180*

ING MUTUAL FUNDS

CIK:[895430](#) | IRS No.: **000000000** | State of Incorporation: **DE** | Fiscal Year End: **1231**
Type: **485BXT** | Act: **40** | File No.: **811-07428** | Film No.: **13525137**

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As filed with the Securities and Exchange Commission on January 11, 2013

Securities Act File No. 033-56094

Investment Company Act File No. 811-07428

U.S. SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-1A

Registration Statement Under The Securities Act Of 1933

Pre-Effective Amendment No.

Post-Effective Amendment No. 172

and/or

Registration Statement Under The Investment Company Act Of 1940

Amendment No. 173

(Check appropriate box or boxes)

ING MUTUAL FUNDS

(Exact Name of Registrant Specified in Charter)

7337 E. Doubletree Ranch Road, Suite 100

Scottsdale, AZ 85258

(Address of Principal Executive Offices)

Registrant's Telephone Number, Including Area Code: (800) 992-0180

Huey P. Falgout, Jr.

ING Investments, LLC

7337 E. Doubletree Ranch Road

Scottsdale, AZ 85258

(Name and Address of Agent for Service)

With copies to:

Jeffrey S. Puretz, Esq.

Dechert, LLP

1775 I Street, N.W.

Washington, DC 20006

It is proposed that this filing will become effective (check appropriate box):

Immediately upon filing pursuant to paragraph (b)

on February 8, 2013, pursuant to paragraph (b)

60 days after filing pursuant to paragraph (a)(1)

on (date), pursuant to paragraph (a)(1)

75 days after filing pursuant to paragraph (a)(2)

on (date) pursuant to paragraph (a)(2) of Rule 485

If appropriate, check the following box:

This post-effective amendment designated a new effective date for a previously filed post-effective amendment.

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EXPLANATORY NOTE**

This Post-Effective Amendment No. 172 to the Registration Statement (“Amendment”) on Form N-1A of ING Mutual Funds (“Registrant”) is being filed under Rule 485(b) under the Securities Act of 1933, as amended, for the purpose of extending the effective date of Post-Effective Amendment No. 164 and No. 168 from January 14, 2013 to February 8, 2013 for the new Class R6 shares for ING Global Bond Fund and ING Global Real Estate Fund, each a series of the Registrant.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended (the “1933 Act”), and the Investment Company Act of 1940, as amended, the Registrant certifies that it meets all the requirements for effectiveness of this Post-Effective Amendment No. 172 to its Registration Statement on Form N-1A pursuant to Rule 485(b) under the 1933 Act and has duly caused this Post-Effective Amendment No. 172 to its Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the city of Scottsdale and the State of Arizona on the 11th day of January, 2013.

ING MUTUAL FUNDS

By: /s/ Huey P. Falgout, Jr.

Huey P. Falgout, Jr.

Secretary

Pursuant to the requirements of the 1933 Act, this Registration Statement has been signed below by the following persons in the capacities and on the date indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<hr/> Shaun P. Mathews*	Interested Trustee and President and Chief Executive Officer	January 11, 2013
<hr/> Todd Modic*	Senior Vice President Chief/Principal Financial Officer and Assistant Secretary	January 11, 2013
<hr/> Todd Modic*	Trustee	January 11, 2013

John V. Boyer*	Trustee	January 11, 2013
Patricia W. Chadwick*	Trustee	January 11, 2013
J. Michael Earley*	Trustee	January 11, 2013
Colleen D. Baldwin*	Trustee	January 11, 2013
Patrick W. Kenny *	Interested Trustee	January 11, 2013
Robert W. Crispin*	Trustee	January 11, 2013
Sheryl K. Pressler*	Trustee	January 11, 2013
Peter S. Drotch*	Trustee	January 11, 2013
Roger B. Vincent*	Trustee	January 11, 2013

* By: /s/ Huey P. Falgout, Jr.
Huey P. Falgout, Jr.
Attorney-in-Fact**

** Powers of Attorney for Todd Modic, Shaun Mathews, and each Trustee dated May 23, 2012 were filed as attachments to Post-Effective Amendment No. 159 to the Registrant' s Registration Statement on Form N-1A on August 1, 2012 and are incorporated herein by reference.
