State of Idaho

Office of the Secretary of State

CERTIFICATE OF AUTHORITY

OF

ALLIANCEBERNSTEIN INVESTMENT RESEARCH AND MANAGEMENT, INC.

File Number C 161508

I, BEN YSURSA, Secretary of State of the State of Idaho, hereby certify that an Application for Certificate of Authority, duly executed pursuant to the provisions of the Idaho Business Corporation Act, has been received in this office and is found to conform to law.

ACCORDINGLY and by virtue of the authority vested in me by law, I issue this Certificate of Authority to transact business in this State and attach hereto a duplicate of the application for such certificate.

Dated: 15 July 2005



Ben youra

By Kristin Ill



APPLICATION FOR CERTIFICATE OF AUTHORITY (For Profit) (Instructions on Back of Application)

THE TOTAL PROPERTY OF THE PARTY		
The undersigned Corporation applies	for a Certificate of Authority and	states as follows:
The name of the corporation is: AllianceBernstein Invesmt	ent Research and Manage	ement, Inc.
AllianceBernste: 2. The name which it shall use in Id	in Investment Rese ahois:	arch and Management, Inc.
3. It is incorporated under the laws	of: Delaware	
Its date of incorporation is: Ma	rch 04, 2003	
 The address of its principal office 1345 Avenue of the Ameri 		5
 The address to which corresponds n/a 	dence should be addressed, if o	different from item 5, is:
 The street address of its registere and its registered agent in Idaho 	at that address is: CT Corpo	
3. The names and respective busin		nd officers are: Address
Name Sadaria Riagh	Office President	1345 Ave. of the Americas, NY, NY 10105
Frederic Bloch Stephen C. Scanlon	Sr. Vice President	1345 Ave. of the Americas, NY, NY 10105
Mark Manley	Secretary	1345 Ave. of the Americas, NY, NY 10105
Patrick Ryan	Treasuerer/Controller	1345 Ave. of the Americas, NY, NY 10105
Ranjani Nagasswami	Director	1345 Ave. of the Americas, NY, NY10105
Richard Davies	Director	1345 Ave. of the Americas, NY, NY 0105
Dated: 07/09/08 Signature: Mark Manley Secretary		Customer Acct # : (if using pre-paid account) Secretary of State use only Secretary of State use only DAHO SECRETARY OF STATE 107/15/2095 05: CK: 768281993 CT: 19828 BH:
Capacity: Secretary		8 8 CK: 7682010938 CT: 190520 BH: 1 0 100.00 = 100.00 AUTH PR 1 0 20.00 = 20.00 EXPEDITE

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I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "ALLIANCEBERNSTEIN INVESTMENT RESEARCH AND MANAGEMENT, INC." IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWENTY-SEVENTH DAY OF APRIL, A.D. 2005.

Darriet Smith Windson
Harriet Smith Windson, Secretary of State

rriet Smith Windsor, Secretary of State

AUTHENTICATION: 3842234

DATE: 04-27-05

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