

Registration No. 333-

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM S-8

REGISTRATION STATEMENT

Under

The Securities Act of 1933

ALCOA INC.

(Exact name of issuer as specified in its charter)

Pennsylvania 25-0317820
(State of Incorporation) (I.R.S. Employer Identification No.)

201 Isabella Street, Alcoa Corporate Center,
Pittsburgh, Pennsylvania 15212-5858
(Address of principal executive office, including zip code)

CORDANT TECHNOLOGIES INC. 1989 STOCK AWARDS PLAN
CORDANT TECHNOLOGIES INC. 1996 STOCK AWARDS PLAN

(Full Titles of Plans)

Denis A. Demblowski,
Secretary and Senior Counsel
201 Isabella Street, Alcoa Corporate Center,
Pittsburgh, Pennsylvania 15212-5858
(Name and address of agent for service)

Telephone number of agent for service (412) 553-3856

CALCULATION OF REGISTRATION FEE

Title of Securities to be Registered	Amount to be Registered(1)	Proposed Maximum Offering Price Per Share(2)	Proposed Maximum Aggregate Offering Price(2)	Amount of Registration Fee
Alcoa Inc. common stock, \$1 par value	692,400 shares	\$62.8125	\$43,491,375.00	\$11,481.72

[FN]

(1) Pursuant to Rule 416(a), also covers additional securities that may be offered as a result of stock splits, stock dividends or similar transactions.

(2) Estimated solely for the purpose of calculating the registration fee, based on the average of the high and low prices of shares of the Registrant's common stock reported in the consolidated reporting system on May 23, 2000

EXPLANATORY NOTE

On May 22, 2000, Alcoa Inc., a Pennsylvania corporation ("Alcoa"), announced the completion of its offer to purchase all outstanding shares of common stock, including the associated rights to purchase preferred stock (collectively, the "Shares"), of Cordant Technologies Inc., a Delaware corporation ("Cordant"), at a price of \$57.00 per share, net to the seller in cash, upon the terms and subject to the conditions set forth in the Offer to Purchase, dated March 20, 2000, of Omega Acquisition Corp., a Delaware corporation and a wholly owned subsidiary of Alcoa ("Omega") and in the related Letter of Transmittal (which together constitute the "Offer").

Pursuant to the Offer, a wholly owned subsidiary of Alcoa purchased approximately 93.5% of the

Shares.

Under the Agreement and Plan of Merger among Alcoa, Omega, and Cordant dated as of March 14, 2000 (the "Merger Agreement"), certain options to purchase shares of Cordant common stock that remain outstanding immediately before the Effective Time (as defined in the Merger Agreement) will be assumed by Alcoa and converted, effective as of the Effective Time, into options to purchase Alcoa commonstock in accordance with the Merger Agreement.

This Registration Statement relates to 692,400 shares of Alcoa common stock, par value \$1.00 per share (the "Common Stock"), that may be issued from time to time to participants in the Cordant 1989 Stock Awards Plan and the Cordant 1996 Stock Awards Plan, beginning May 24, 2000. Of the total of 692,400 shares, 514,408 shares are allocated for the 1989 Stock Awards Plan and 177,992 shares are allocated for the 1996 Stock Awards Plan.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

ITEM 3. INCORPORATION OF DOCUMENTS BY REFERENCE

The following documents filed by the Registrant with the Securities and Exchange Commission are incorporated herein by reference.

(a) Annual Report on Form 10-K for the fiscal year ended December 31, 1999;

(b) Quarterly Report on Form 10-Q for the quarter ended March 31, 2000; and

(b) Current Reports on Form 8-K dated January 10, 2000, January 18, 2000, January 19, 2000, May 8, 2000 and May 15, 2000.

All documents filed by the Registrant pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934 subsequent to the date of this Registration Statement and prior to the filing of a post-effective amendment to this Registration Statement that indicates that all securities offered hereunder have been sold or that deregisters all such securities then remaining unsold shall be deemed to be incorporated by reference into this Registration Statement and to be a part hereof from the date of the filing of such documents. Any statement contained in a document incorporated, or deemed to be incorporated, by reference herein or contained in this Registration Statement shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent any statement contained herein or in any subsequently filed document which also is, or is deemed to be, incorporated by reference herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed to constitute a part hereof except as so modified or superseded.

ITEM 4. DESCRIPTION OF SECURITIES

The Common Stock is registered under the Securities Exchange Act of 1934 and listed on the New York Stock Exchange and various foreign exchanges.

Set forth below is a description of the Common Stock. The following statements are summaries of, and are subject to the detailed provisions of, the Registrant's Articles of Incorporation and By-laws and to the relevant provisions of the Pennsylvania Business Corporation Law.

Alcoa currently has 1,800,000,000 shares of authorized Common Stock.

Holder of Common Stock will receive dividends when and as declared by the Board of Directors of Alcoa. However, no dividend will be declared or paid on Common Stock if any Alcoa preferred stock is outstanding, unless all dividends accrued on all classes of Alcoa preferred stock and the current quarter yearly dividend on the Alcoa \$3.75 Cumulative Serial Preferred Stock have been paid or declared and a sum sufficient for payment has been set apart.

Holder of Common Stock have one vote per share.

Upon any liquidation, dissolution, or winding up of Alcoa, whether voluntary or involuntary, after payments to holders of Alcoa preferred stock in an amount fixed by the Board of Directors of Alcoa, plus accrued dividends, the remaining assets of Alcoa belong to and will be divided among the holders of Common Stock. The consolidation or merger of Alcoa with or into any other corporation(s) or a share exchange or division involving Alcoa pursuant to applicable law is not a liquidation, dissolution, or winding up of Alcoa under the Alcoa Articles.

Holders of Common Stock have no right to participate in any right of subscription to any increased or additional capital stock of Alcoa.

Common Stock does not have any applicable conversion, redemption, or sinking fund provisions and is not liable to further call or assessment by Alcoa. All issued and outstanding shares of Common Stock are paid fully and are non-assessable.

The Alcoa Articles provide for a classified Board of Directors, divided into three classes as nearly equal as possible, with each class serving a staggered three-year term. The Articles provide that shareholders voting 80 percent of the votes that would be entitled to be cast at an annual election of directors may remove directors, with or without cause. They also provide that vacancies are to be filled only by a majority vote of the remaining directors, unless a vacancy resulted because of a vote of the shareholders, in which case the shareholders may fill the vacancy.

A shareholder wishing to nominate directors at an annual meeting of Alcoa shareholders must provide written notice at least 90 days before the anniversary date of the prior year's meeting.

The Alcoa Articles require the approval of 80 percent of the votes entitled to be cast in order to amend the provisions in the Alcoa Articles relating to the classification of the Board of Directors, nomination of directors, removal of directors, and certain other matters.

The Alcoa Articles provide that, unless a stock repurchase is made in either a tender offer or exchange offer for a class of capital stock that is made available to all holders of the class on the same basis, or in an open market purchase program approved by Alcoa's Board of Directors, Alcoa may not repurchase stock from a shareholder who owns five percent or more of Alcoa's voting stock at prices greater than the current fair market value without the affirmative vote of a majority of shares held by persons other than such five percent shareholder.

ITEM 5. INTERESTS OF NAMED EXPERTS AND COUNSEL

The validity of the Common Stock to be issued in connection with the Plans will be passed upon by Thomas F. Seligson, Esq., Counsel of Alcoa. Mr. Seligson is a participant in the stock option plan and various other employee benefit plans offered to employees of Alcoa.

ITEM 6. INDEMNIFICATION OF DIRECTORS AND OFFICERS

Article V of the By-laws of the Company provides that the Company shall indemnify, under specified circumstances, persons who were or are directors, officers or employees of the Company or who served or serve other business entities at the request of the Company. Under these By-law provisions, a person who is wholly successful in defending a claim will be indemnified for any reasonable expenses. To the extent a person is not successful in defending a claim, reasonable expenses of the defense and any liability incurred are to be indemnified under these provisions only where independent legal counsel or other disinterested person selected by the Board of Directors determines that such person acted in good faith and in a manner such person reasonably believed to be in, or not opposed to, the best interests of the Company, and in addition with respect to any criminal action or proceeding, had no reasonable cause to believe the conduct of such person was unlawful. Any expense incurred with respect to any claim may be advanced by the Company if the recipient agrees to repay such amount if it is ultimately determined that such recipient is not to be indemnified pursuant to Article V.

The foregoing By-law provisions generally parallel Sections 1741 and 1745 of the Pennsylvania Business Corporation Law ("BCL"). Section 1746 and the By-laws both also provide that the indemnification provided for therein shall not be deemed exclusive of any other rights to which those seeking indemnification may otherwise be entitled.

Section 1746 of the BCL and the By-laws provide for increased indemnification protections for directors, officers and others. Indemnification may be provided by Pennsylvania corporations in any case except where the act or failure to act giving rise to the claim for indemnification is determined by a court to have constituted willful misconduct or recklessness.

Section 1713 of the BCL also sets forth a framework whereby Pennsylvania corporations, with the approval of the shareholders, may limit the personal liability of directors for monetary damages except where the act or omission giving rise to a claim constitutes self-dealing, willful misconduct or recklessness. The section does not apply to a director's responsibility or liability under a criminal or tax statute and may not apply to liability under Federal statutes, such as the Federal securities laws.

The Company's Articles and By-laws were amended by the shareholders to implement the increased protections made available to directors under the BCL as described in the preceding paragraph. Article VIII of the By-laws provides that, except as prohibited by law, every director of the Company shall be entitled as of right to be indemnified by the Company for expenses and any and all liability paid or incurred by such person by reason of such person being or having been a director of the Company. Expenses incurred with respect to any claim may be advanced by the Company, subject to certain exceptions. The shareholders have also approved a form of indemnity agreement. The Company has entered into such an indemnity agreement with each of its current directors.

The Company has purchased a three year liability insurance policy with an aggregate limit of \$100 million, with certain specified deductible amounts, for liability of directors and officers and reimbursement to the Company for indemnification provided to directors and officers. The policy has an expiration date of October 1, 2000 and provides liability insurance and reimbursement coverage for the Company, and its directors and officers, which is permitted by the laws of Pennsylvania referred to above.

ITEM 7. EXEMPTION FROM REGISTRATION CLAIMED

Not applicable.

ITEM 8. EXHIBITS

Exhibit

Number	Description
(5)	Opinion of Thomas F. Seligson, Counsel of the Company.
(15)	Letter from Independent Public Accountants regarding unaudited financial information.
(23)(a)	Consent of PricewaterhouseCoopers LLP.
(23)(b)	Consent of Counsel (included as part of Exhibit 5).
(24)	Powers of Attorney of certain officers and directors of the Company.

ITEM 9. UNDERTAKINGS

The Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

(ii) To reflect in the prospectus any facts or events arising after the effective date of the Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the Registration Statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement;

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the Registration Statement or any material change to such information in the Registration Statement;

Provided, however, that paragraphs (a)(1)(i) and (a)(1)(ii) of this section do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the Commission by the Registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in this Registration Statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new Registration Statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof;

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering; and

(4) That, for purposes of determining any liability under the Securities Act of 1933, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the Registration Statement shall be deemed to be a new Registration Statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the Company pursuant to the foregoing provisions described in Item 6 above, the Company has been informed that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Company of expenses incurred or paid by a director, officer or controlling person of the Company in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Company will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Pittsburgh, the Commonwealth of Pennsylvania, on this 24th day of May, 2000.

ALCOA INC.

(Registrant)

/s/Robert F. Slagle
Robert F. Slagle

Executive Vice President -
Human Resources and

Communications

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed below by the following persons in the capacities and on the dates indicated.

Signature -----	Title -----	Date ----
/s/Alain J.P. Belda Alain J.P. Belda	President and Chief Executive Officer (Principal Executive Officer)	May 24, 2000
/s/Richard B. Kelson Richard B. Kelson	Executive Vice President and Chief Financial Officer (Principal Financial Officer)	May 24, 2000
/s/Timothy S. Mock Timothy S. Mock	Vice President and Controller (Principal Accounting Officer)	May 24, 2000

Alain J.P. Belda, Hugh M. Morgan, John P. Mulrone, Henry B. Schacht, Franklin A. Thomas and Marina v.N. Whitman, each as a Director, on May 24, 2000, by Denis A. Demblowski, their attorney-in-fact.

/s/Denis A. Demblowski
Denis A. Demblowski
Attorney-in-fact

INDEX TO EXHIBITS

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15	Letter from Independent Public Accountants regarding unaudited financial information.
23(a)	Consent of PricewaterhouseCoopers LLP.
23(b)	Consent of Counsel (included in Exhibit 5).
24	Powers of Attorney for certain officers and directors of the Company.

May 24, 2000

U.S. Securities and Exchange Commission
450 Fifth Street, N.W.
Washington, D.C. 20549

Dear Sir or Madam:

This opinion is furnished in connection with the registration by Alcoa Inc. (the "Company") pursuant to a Registration Statement on Form S-8 (the "Registration Statement") under the Securities Act of 1933, as amended (the "1933 Act"), of an aggregate of 692,400 shares of common stock, \$1.00 par value, of the Company (the "Shares"), which may be issued by the Company through the following plans: the Cordant Technologies Inc. 1989 Stock Awards Plan and the Cordant Technologies Inc. 1996 Stock Awards Plan (collectively, the "Plans").

As Counsel of the Company, I am of the opinion, based upon my familiarity with the affairs of the Company and upon my examination of the law and pertinent documents, that the Shares, when issued and sold pursuant to the Plans, will be legally issued, fully paid and non-assessable shares of common stock of the Company.

I hereby consent to the filing of this opinion with the Securities and Exchange Commission (the "Commission") as an Exhibit to the Registration Statement with respect to the Shares under the 1933 Act. In giving this consent, I do not admit that I am in the category of persons whose consent is required under Section 7 of the Securities Act or the Rules and Regulations of the Commission issued thereunder.

Very truly yours,

/s/Thomas F. Seligson
Thomas F. Seligson
Counsel

CONSENT OF INDEPENDENT ACCOUNTANTS

We hereby consent to the incorporation by reference in the Registration Statement on Form S-8 related to the Cordant Technologies Inc. Stock Awards Plans, of our reports dated January 10, 2000, except for Note V, for which the date is February 11, 2000, on our audits of the consolidated financial statements and financial statement schedule of Alcoa Inc. and consolidated subsidiaries as of December 31, 1999 and 1998, and for each of the three years in the period ended December 31, 1999, which reports are incorporated by reference or included in the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 1999.

Pittsburgh, Pennsylvania
May 24, 2000

/s/PricewaterhouseCoopers LLP
PricewaterhouseCoopers LLP

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each of the undersigned Directors of Alcoa Inc. (the "Company") hereby constitutes and appoints RICHARD B. KELSON, TIMOTHY S. MOCK and DENIS A. DEMBLOWSKI, or any of them, his or her true and lawful attorneys and agents to do any and all acts and things and execute any and all instruments which said attorneys and agents, or any of them, may deem necessary or advisable or may be required to enable the Company to comply with the Securities Act of 1933, as amended, and any rules, regulations or requirements of the Securities and Exchange Commission in respect thereof, in connection with the registration under said Act of shares of common stock of the Company to be issued and distributed pursuant to the stock options issued under the Cordant Technologies Inc. benefit plans or any successor plans, including specifically, but without limiting the generality of the foregoing, power and authority to sign the name of each of the undersigned Directors of the Company to any registration statement to be filed with the Securities and Exchange Commission in respect of said plans or successor plans and shares of common stock, or either of them, to any and all pre-effective amendments, post-effective amendments and supplements to any such registration statement, and to any instruments or documents filed as part of or in connection with any such registration statement or pre-effective amendments or post-effective amendments or supplements thereto; and the undersigned hereby ratifies and confirms all that said attorneys and agents, or any of them, shall do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, the undersigned have subscribed these presents on the date set opposite their names below.

/s/ Hugh M. Morgan May 23, 2000
Hugh M. Morgan

/s/John P. Mulrone May 23, 2000
John P. Mulrone

/s/ Henry B. Schacht May 23, 2000
Henry B. Schacht

/s/ Franklin A. Thomas May 23, 2000
Franklin A. Thomas

/s/ Marina v.N. Whitman May 23, 2000
Marina v.N. Whitman

Exhibit 24

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that the undersigned President and Chief Executive Officer and Director of Alcoa Inc. (the "Company") hereby constitutes and appoints RICHARD B. KELSON, TIMOTHY S. MOCK and DENIS A. DEMBLOWSKI, or any of them, his true and lawful attorneys and agents to do any and all acts and things and execute any and all instruments which said attorneys and agents, or any of them, may deem necessary or advisable or may be required to enable the Company to comply with the Securities Act of 1933, as amended, and any rules, regulations or requirements of the Securities and Exchange Commission in respect thereof, in connection with the registration under said Act of shares of common stock of the Company to be issued and distributed pursuant to stock options issued under the Cordant Technologies Inc. benefit plans or any successor plans, including specifically, but without limiting the generality of the foregoing, power and authority to sign the name of the undersigned President and Chief Executive Officer and Director of the Company to any registration statement to be filed with the Securities and Exchange Commission in respect of said plans or successor plans and shares of common stock, or either of them, to any and all pre-effective amendments, post-effective amendments and supplements to any such registration statement, and to any instruments or documents filed as part of or in connection with any such registration statement or pre-effective amendments or post-effective amendments or supplements thereto; and the undersigned hereby ratifies and confirms all that said attorneys and agents, or any of them, shall do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, the undersigned has subscribed these presents on the date set opposite his name below.

/s/ Alain J. P. Belda
Alain J. P. Belda

May 23, 2000

President, Chief Executive Officer
and Director

May 24, 2000

Securities and Exchange Commission
450 Fifth Street, N.W.

Washington, DC 20549

Re: Alcoa Inc.

We are aware that our report dated April 6, 2000, accompanying interim financial information of Alcoa Inc. and subsidiaries for the three-month periods ended March 31, 2000 and 1999, and included in Alcoa's Quarterly Report on Form 10-Q for the quarters then ended, are incorporated by reference in this registration statement related to the Cordant Technologies Inc. Stock Awards Plans, dated May 24, 2000. Pursuant to Rule 436(c) under the Securities Act of 1933, these reports should not be considered a part of the registration statement prepared or certified by us within the meaning of Sections 7 and 11 of that Act.

Very truly yours,

/s/PricewaterhouseCoopers LLP
PricewaterhouseCoopers LLP