

## REAXYSFILEBIB

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<b>Subject Coverage</b>	Extensive chemistry content: <ul style="list-style-type: none"> <li>• Analytical Chemistry</li> <li>• Applied Chemistry</li> <li>• Biochemistry</li> <li>• Chemical Engineering</li> <li>• Macromolecular Chemistry</li> <li>• Material Science</li> <li>• Organic Chemistry</li> <li>• Petrochemistry</li> <li>• Physical Chemistry</li> </ul>	
<b>File Type</b>	Bibliographic	
<b>Features</b>	Alerts (SDIs) <a href="#">SLART</a>	Not available <input checked="" type="checkbox"/>
<b>Record Content</b>	<ul style="list-style-type: none"> <li>• Bibliographic information</li> <li>• Patent publication, application and priority information and IPC classification</li> </ul>	
<b>File Size</b>	More than 18.5 million records (04/2026)	
<b>Coverage</b>	1771-present	
<b>Updates</b>	Twice a week	
<b>Language</b>	English	
<b>Database Producer</b>	Elsevier Information Systems GmbH Franklinstr. 61-63 60486 Frankfurt am Main Germany Phone: +49 69 5050 4242	Copyright Holder: Elsevier Properties SA Espace de l'Europe 3 CH-2000, Neuchâtel Switzerland
<b>Sources</b>	<ul style="list-style-type: none"> <li>• More than 16,000 chemistry-related periodicals</li> <li>• Conference abstracts</li> <li>• Patent information from all major authorities</li> </ul>	
<b>User Aids</b>	<ul style="list-style-type: none"> <li>• Online Helps (HELP DIRECTORY lists all help messages available)</li> <li>• STNGUIDE</li> </ul>	

**Cluster**

- ALLBIB
- AUTHORS
- BIOSCIENCE
- CHEMISTRY
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- PATENTS
- PHARMACOLOGY
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**Related  
Databases**

REAXYSFILESUB

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## Search and Display Field Codes

Fields that allow left truncation are indicated by an asterisk (\*).

### General Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from title (TI), abstract (AB))	None or /BI	S LIQUID CHROMATOGRAPH S BEEF (L) ROUTINE TEST? S SWEETZYME S (AQUA?(W)TOX?)	AB, TI
Abstract*	/AB	S ?AMINOETHYL/AB	AB
Accession Number	/AN	S 123616/AN	AN
Application Country (WIPO code)	/AC	S FR/AC S GERMANY/AC	AI
Application Country, Basic (WIPO code)	/AC.B	S FR/AC.B S GERMANY/AC.B	AI.B
Application Date (1)	/AD	S GB/AC AND 20050601-20060531/AD	AI
Application Date, Basic (1)	/AD.B	S GB/AC.B AND 20050601-20060531/AD.B	AI.B
Application Number	/AP	S US1964-363680/AP S 1964US-363680/AP	AI
Application Number, Basic	/AP.B	S US1964-363680/AP.B S 1964US-363680/AP.B	AI.B
Application Number, Original	/APO	S GB0000191/APO	AIO
Application Number, Original, Basic	/APO.B	S GB0000191/APO.B	AIO.B
Author (includes Inventor)	/AU	S MARTH, J?/AU S MARTH J?/AU	AU, IN
Application Year (1)	/AY	S AY>=2003	AI
Application Year, Basic (1)	AY.B	S AY.B>=2003	AI.B
Document Type (code and text)	/DT (or /TC)	S L1 AND PATENT/DT S L1 AND P/DT	DT
Entry Date (1)	/ED	S ED=2018	ED
Family Number	/FN	S 190789859/FN 'S 190789859 EXTENDED/FN	FN
Field Availability	/FA	S L2 AND AB/FA	FA
Digital Object Identifier	/FTDOI (or /DOI)	S <a href="https://doi.org/10.1021/acs.analchem.8B03354">HTTPS://DOI.ORG/10.1021/ACS.ANALCHEM.8B03354</a> /FTDOI	FTDOI
Index Term (AN from Reaxysfilesub)	/IT (or /CRSUB)	S 1060/IT	IT
International Standard (Document) Number	/ISN	S 0003-2700/ISN S ANCHAM/ISN	ISN, SO
Inventor	/IN	S JIROUSEK M?/IN	IN
Journal Title	/JT	S FOOD MANUFACTURE/JT	JT, SO
Keyword	/KW	S PRESSURE ACID LEACHING/KW	KW
Language (ISO code and text)	/LA	S L1 AND ENGLISH/LA	LA
Patent Assignee (2)	/PA	S LILLY COMPANY/PA	PA
Patent Country (WIPO code)	/PC	S US/PC	PI
Patent Country, Basic (WIPO code)	/PC.B	S US/PC.B	PI.B
Publication Date (1)	/PD	S JAN 2021/PD	PI, SO
Publication Date, Basic (1)	/PD.B	S JAN 2021/PD.B	PI.B, SO
Patent Kind Code	/PK	S EPA1/PK	PI
Patent Kind Code, Basic	/PK.B	S EPA1/PK.B	PI.B
Patent Number	/PN	S WO2018039051/PN	PI
Patent Number, Basic	/PN.B	S WO2018039051/PN.B	PI.B
Patent Number Kind Code	/PNK	S WO2018039051A1/PNK	PNK
Patent Number Kind Code, Basic	/PNK.B	S WO2018039051A1/PNK.B	PNK.B
Patent Number, Original	/PNO	S WO2001/93903/PNO	PNO
Patent Number, Original, Basic	/PNO.B	S WO2001/93903/PNO.B	PNO.B
Priority Country (WIPO code)	/PRC	S TW/PRC	PRAI
Priority Date (1)	/PRD	S PRD=JAN 2003	PRAI
Priority Number	/PRN	S US 1997-68200P/PRN	PRAI
Priority Number, Original	/PRNO	S GB9900086/PRNO	PRNO
Priority Year (1)	/PRY	S 1991/PRY	PRAI
Publication Year (1)	/PY	S 2010-2011/PY	PY, SO, PI
Publication Year, Basic (1)	/PY.B	S PY.B=JAN 2025	PI

**General Search Fields (cont'd)**

Search Field Name	Search Code	Search Examples	Display Codes
Source (contains journal name, ISSN, volume, issues, pages, DOI, ISBN)	/SO	S ANALYTICAL CHEMISTRY/SO S 1990/SO	SO
Summary Language (ISO code and text)	/SL	S L1 AND GERMAN/SL S L1 AND DE/SL	/SL
Title*	/TI	S TRIAZOLOPYRAZINONE DERIVATIVE/TI	TI
Update Date (1)	/UP	S UP>=JAN 2019	ED
Update Date Bibliography (1)	/UPBIB	S UP>=JAN 2025	UPBIB
Update Date Referenced Structure Data (1)	/UPIT	S UPIT>=JAN 2025	UPIT

(1) Numeric search field that may be searched using numeric operators or ranges.

(2) Search with implied (S) proximity is available in this field.

**Super Search Fields**

Enter a super search code to execute a search in one or more fields that may contain the desired information. Super search fields facilitate cross-file and multifile searching. EXPAND may not be used with super search fields. Use EXPAND with the individual field codes instead.

Search Field Name	Search Code	Fields Searched	Search Examples	Display Codes
Application Number Group	/APPS	AP, AP.B, APO, APO.B, PRN, PRNO, RLN	S WO2020-US19335/APPS	AI, AI.B, AIO, AIO.B, PRAI, PRNO, APPS
Patent Number Group	/PATS	PN, PNO, RLPN	S TW2021046687/PATS	PN, RLPN, PATS
Patent Countries	/PCS	PC, PC.B	S US/PCS	PI, PI.B

## Property Fields <sup>(1)</sup>

In REAXYSFILEBIB a numeric search for a specific set of physical properties (/PHP) is available within the abstract and title fields. The numeric values are not displayed as single fields but highlighted within the hit displays.

Use EXPAND/PHP to search for all available physical properties. A search with the respective field codes will be carried out in the abstract and field fields. The /PHP index contains a complete list of codes and related text for all physical properties available for numeric search.

Field Code	Property	Unit	Symbol	Search Examples
/AOS	Amount of substance	Mol	mol	S 10 /AOS
/BIR	Bit Rate	Bit/Second	bit/s	S 8000-10000/BIR
/BIT	Stored Information	Bit	Bit	S BIT > 3 MEGABIT
/CAP	Capacitance	Farad	F	S 1-10 MF/CAP
/CATA	Catalytic Activity	Katal	kat	S 1-1000/CATA
/CDN	Current Density	Ampere/Square Meter	A/m <sup>2</sup>	S CDN>10 A/M**2
/CMOL	Molarity, Molar Concentration	Mol/Liter	mol/L	S UREA/BI (S) 8/CMOL
/CON	Conductance	Siemens	S	S 1S-3/CON
/DB	Decibel	Decibel	dB	S DB>50
/DEG	Degree	Degree	°	S CYLINDER/BI (S) 45/DEG
/DEN (/C)	Density (Mass Concentration)	Kilogram/Cubic Meter	kg/m <sup>3</sup>	S 5E-3-10E-3/DEN
/DEQ	Dose Equivalent	Sievert	Sv	S 100/DEQ
/DOA	Dosage	Milligram/Kilogram/Day	mg/kg/day	S 300/DOA
/DOS (/LD50)	Dosage	Milligram/Kilogram	mg/kg	S DOS>0.8
/DV	Viscosity, dynamic	Pascal * Second	Pa * s	S DV>5000
/ECH (/CHA)	Electric Charge	Coulomb	C	S 0.0001-0.001/ECH
/ECO (/ECND)	Electrical Conductivity	Siemens/Meter	S/m	S ECO>800 S/M (15A) AQUEOUS
/ELC (/ECC)	Electric Current	Ampere	A	S 1-10/ELC
/ELF (/ECF)	Electric Field	Volt/Meter	V/m	S 200/ELF
/ENE	Energy	Joule	J	S HEAT (15A) 4 JOULE - 3000 JOULE /ENE S ERE>0.1
/ERE (/ERES)	Electrical Resistivity	Ohm * Meter	Ohm * m	
/FOR	Force	Newton	N	S 50 N /FOR
/FRE (/F)	Frequency	Hertz	Hz	S OSCILLAT?/BI (S) 1- 3/FRE
/IU	International Unit	none	IU	S IU>1000 (P) VITAMIN A
/KV	Viscosity, kinematic	Square Meter/Second	m <sup>2</sup> /s	S POLYSILOXANE/BI (10A) 2-5000 CST/KV S 1-4/LEN
/LEN (/SIZ)	Length, Size	Meter	m	
/LUME	Luminous Emittance Illuminance	Lux	lx	S 10-50/LUME
/LUMF	Luminous Flux	Lumen	Lm	S LUMF>1000
/LUMI	Luminous Intensity	Candela	cd	S LUMI<4
/M	Mass	Kilogram	kg	S ALLOY/BI (30A) 1E-10-1E-5/M
/MCH	Mass to Charge Ratio	none	m/z	S MCH=1
/MFD (/MFS)	Magnetic Flux Density	Tesla	T	S MFD>102
/MFR (/MFL)	Mass Flow Rate	Kilogram/Second	kg/s	S MFR<0.1
/MFST	Magnetic Field Strength	Ampere/Meter	A/m	S MFST/PHP
/MM (/MW, /MOM)	Molar Mass	Gram/Mol	g/mol	S 2000-3000 G/MOL/MM
/MOLS	Molality of Substance	Mol/Kilogram	mol/kg	S 01.-10 MOL/KG/MOLS
/MVR	Melt Volume Rate, Melt Flow Rate	none	g/10 min	S 3/MVR

Property Fields <sup>(1)</sup> (cont'd)

Field Code	Property	Unit	Symbol	Search Examples
/PER	Percent (Proportionality)	none	%	S POLYMER?/AB (5A) 4/PER
/PHV (/PH)	pH Value	pH	pH	S 7.4-7.6/PHV
/POW (/PW)	Power	Watt	W	S "HG-XE-?"/BI (S) 100-200 WATT/POW
/PPM /PRES (/P)	Parts per million Pressure	Ppm Pascal	ppm Pa	S 100 PPM /PPM (10A) ADDITIVE/BI S (VACUUM (5A) DISTILL?)/BI (S) 1000-1100/PRES
/RAD	Radioactivity	Becquerel	Bq	S RAD/PHP
/RES	Electrical Resistance	Ohm	Ohm	S SENSOR /BI (S) 10- 100/RES
/RI	Refractive Index	none		S 3-4/RI
/RSP	Rotational Speed	Revolution/Minute	rpm	S 2 RPM - 100 RPM /RSP (S) ENGINE/BI
/SAR	Area /Surface Area	Square Meter	m <sup>2</sup>	S PLATE/BI (S) 10 M**2 - 100 M**2 /SAR
/SOL (/SLB)	Solubility	Gram/100 gram	g/100 g	S SOL>20 G/100G (5A) WATER
/SSAM	Specific Surface Area, Mass	Square Meter/ Kilogram	m <sup>2</sup> /kg	S 9/SSAM
/STSC	Surface Tension, Spring Constant	Joule /Square Meter	J/m <sup>2</sup>	S 60 J/M**2/STSC
/TCO (/TCND)	Thermal Conductivity	Watt/Meter * Kelvin	W/m * K	S 1/TCO (S) HEAT?
/TEMP (/T)	Temperature	Kelvin	K	S 20-25/TEMP
/TEX	Tex	Gram/Kilometer	g/km	S 1-5/TEX
/TIM	Time	Second	s	S ?INCUB?/BI (10A) 50 S - 150 S /TIM
/VEL (/V)	Velocity	Meter per Second	m/s	S REDUC?/BI (S) 1E-3-5E-3/VEL
/VELA	Velocity, angular	Radian/Second	rad/s	S VELA>10
/VLR	Volumetric Flow Rate	Cubic Meter/Second	m <sup>3</sup> /s	S 1 M**3/S - 2 M**3/S /VLR (S) ABRASIVE
/VOL	Volume	Cubic Meter	m <sup>3</sup>	S 1E-8-2E-8/VOL.EX
/VOLT	Voltage	Volt	V	S BATTERY/BI (10A) 1E-3 V <VOLT<9E-3 V

(1) Exponential format is recommended for the search of particularly high or low values, e.g., 1.8E+7 or 1.8E7 (for 18000000) or 9.2E-8 (for 0.000000092).

## DISPLAY and PRINT Formats

Any combination of formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L3 1-10 AN, TI, PI. The fields are displayed or printed in the order requested.

Hit-term highlighting is available in all fields. Highlighting must be ON during SEARCH to use HIT, KWIC, and OCC.

Format	Content	Examples
AB	Abstract	D AB TI
AN	Accession Number	D AN
AP (AI)	Application Number	D AP
AP.B (AI.B)	Application Number, Basic	D AP.B
AIO (APO)	Application Number, Original	D AIO
AIO.B (APO.B)	Application Number, Original, Basic	D AIO.B
AU	Author	D AU
CS	Corporate Source	D CS
DT (TC)	Document Type	D DT
ED	Entry Date	D ED
FA	Field Availability	D FA
FN (1)	Family Number	D FN
FTDOI (DOI)	Digital Object Identifier	D FTDOI

**DISPLAY and PRINT Formats (cont'd)**

Format	Content	Examples
IN IPC ISN (1) IT (CRSUB) JT (1) KW LA PA (CS) PD.B PN (PI) PN.B (PI.B) PNK (1) PNK.B (1) PNO (1) PNO.B (1) PRN (PRAI) PRNO (PRAO) (1) PY (1) PY.B (1) SO TI UP UPBIB UPIT	Inventor International Patent Classification International Standard (Document) Number Index Term (AN from Reaxysfilesub) Journal Title Keyword Language (ISO code and text) Patent Assignee Publication Date, Basic Patent Number Patent Number, Basic Patent Number/Kind Code Patent Number/Kind Code, Basic Patent Number, Original Patent Number, Original, Basic Priority Number Priority Number, Original Publication Year Publication Year, Basic Source Title Update Date Update Date Bibliography Update Date Referenced Structure Data	D IN D IPC D ISN D IT D JT D KW D LA D PA D PD.B D PI D PI.B D PNK D PNK.B D PNO D PNO.B D PRN D PRNO D PY D PY.B D SO D TI D UP D UPBIB D UPIT
ABS IABS ALL  APPS DALL IALL BIB  IBIB IND PATS SCAN (2) STD ISTD TRIAL, (TRI, SAMPLE, FREE)	AN, AB ABS, indented with text labels AN, TI, AU, IN, CS, PA, PI, PIO, AI, AIO, PRAI, PRAO, SO, DT, LA, SL, ED, UP, UPBIB, UPIT, AB, IPC, IT, KW AI, AI.B, AIO, AIO.B, PRAI ALL, delimited for post processing ALL, indented with text labels AN, TI, AU, IN, CS, PA, PI, PIO, AI, AIP, PRAI, PRAO, SO, DT, LA, SL, ED, UP, UPBIB, UPIT BIB, indented with text labels AN, IPC, KW PI, PI.B, PNO.B, PNO TI, DT, IPC, KW BIB+IPC STD, indented with text labels AN, IPC, KW	D ABS  D ALL  D APPS D DALL D IALL D BIB  D IBIB D IND D PATS D SCAN D STD D ISTD D SCAN
HIT HITSTR KWIC OCC	Fields containing hit terms HIT structures after Crossover Hit terms with 20 words on either side (KeyWord-In-Context) Number of occurrences of hit terms and fields in which they occur	D HIT D HITSTR D KWIC D OCC

(1) Custom display only.

(2) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

## SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y	Y
Accession Number	AN	Y (default)	Y
Application Country (WIPO code)	AC	Y (2)	Y
Application Country, Basic (WIPO code)	AC.B	Y (2)	Y
Application Date	AD	Y (2)	Y
Application Date, Basic	AD.B	Y (2)	Y
Application Number	AP (AI)	Y	Y
Application Number, Basic	AP.B (AI.B)	Y	Y
Application Information, Original	AIO (APO)	Y	Y
Application Information, Original, Basic	AIO.B (APO.B)	Y	Y
Application Number Group	APPS	Y (2)	Y
Author	AU	Y	Y
Application Year	AY	Y (2)	Y
Application Year, Basic	AY.B	Y (2)	Y
CODEN	CODEN	N	Y
Corporate Source	CS	Y	Y
Document Type	DT (TC)	Y	Y
Entry Date	ED	Y	Y
Digital Object Identifier	FTDOI (DOI)	Y	Y
Family Number	FN	Y	Y
Inventor	IN	Y	Y
Index Term (AN from Reaxysfilesub)	IT (CRSUB)	Y	N
International Patent Classification	IPC	Y	Y
International Standard (Document) Number	ISN	Y (3)	Y
International Standard Serial Number	ISSN	N	Y
Journal Title	JT	Y	Y
Language (ISO code and text)	LA	Y	Y
Patent Assignee	PA (CS)	Y	Y
Patent Country	PC	Y (2)	Y
Patent Country, Basic	PC.B	Y (2)	Y
Patent Countries	PCS	Y	Y
Publication Date	PD	Y	Y
Publication Date, Basic	PD.B	Y	Y
Patent Number	PN (PI)	Y	Y
Patent Number, Basic	PN.B (PI.B)	Y	Y
Patent Kind Code	PK	Y	Y
Patent Kind Code, Basic	PK.B	Y	Y
Patent Number/Kind Code	PNK	Y (2)	Y
Patent Number/Kind Code, Basic	PNK.B	Y (2)	Y
Patent Number, Original	PNO	Y	Y
Patent Number, Original, Basic	PNO.B	Y	Y
Priority Number	PRN (PRAI)	Y	Y
Priority Number, Original	PRNO (PRAO)	Y	Y
Publication Year	PY	Y (2)	Y
Publication Year, Basic	PY.B	Y (2)	Y
Summary Language (ISO code and text)	SL	Y	Y
Source	SO	Y (4)	Y
Title	TI	Y	Y
Update Date	UP	Y	Y
Update Date Bibliography	UPBIB	Y	Y
Update Date Referenced Structure Data	UPIT	Y	Y

(1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.

(2) SELECT HIT and ANALYZE HIT are not valid with this field.

(3) Selects CODEN and ISSN with /ISN appended to the terms created by SELECT.

(4) Selects CODEN and ISSN with /SO appended to the terms created by SELECT.

**SAMPLE Records****Display ALL of Journal**

AN 73710913 REAXYSFILEBI  
 TI High-efficiency extraction of Al from coal-series kaolinite and its kinetics by calcination and pressure acid leaching  
 AU Lin, Min; Liu, Yuan-Yuan; Lei, Shao-Min; Ye, Zhao; Pei, Zhen-Yu; Li, Bo  
 SO Applied Clay Science (2018), Volume 161, pp. 215-224  
 CODEN: ACLSER ISSN: 0169-1317  
 DOI: <https://doi.org/10.1016/j.clay.2018.04.031>  
 Published by: Elsevier Ltd, United Kingdom  
 DT Journal  
 LA English  
 SL English  
 ED Entered STN: 18 Nov 2020  
 Last updated on STN: 11 Dec 2025  
 AB High-efficiency extraction of Al from coal-series kaolinite and its kinetics by calcination and pressure acid leaching has been studied in detail. Calcination process promoted a phase transform from crystal kaolinite to amorphous compounds. Subsequently, Al occurred in the compounds was efficiently extracted by pressure acid leaching. At optimal conditions, the extraction rate of Al reaches 98.7%. Pressure leaching process of Al was successfully described by Avrami model, and mainly controlled by chemical reaction when apparent activation energy was 16.29 kJ/mol. The complex extraction process of Al in heated acid leaching (diffusion-reaction-diffusion) was transformed into a simple chemical reaction during pressure leaching so as to realize a high-efficiency extraction of Al from coal-series kaolinite.  
 KW Author Keyword: Al extraction; Calcination; Coal-series kaolin; Leaching kinetics; Pressure acid leaching  
 IT 11315638; 13238747; 14990357; 1716295

**Display ALL of Patent**

AN 69747092 REAXYSFILEBIB  
 TI new organic semiconductor compound and a method for manufacturing the same  
 PA INDUSTRY-ACADEMIC COOPERATION FOUNDATION GYEONGSANG NATIONAL UNIVERSITY  
 PI

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
KR 1484007 *	B1	20150113	KR 2012-113974	20121015
KR 2014047812	A	20140423		
WO 2014061867	A1	20140424		

\* = indexed patent  
 DT Patent  
 LA English  
 SL English  
 ED Entered STN: 18 Nov 2020  
 Last updated on STN: 11 Dec 2025  
 AB The present invention provides an organic semiconductor compound that can be used as an organic electronic material, to a method for preparing same, to a photoactive layer containing same, and to an organic photovoltaic cell comprising the photoactive layer. The photoactive layer containing the organic semiconductor compound according to the present invention enables a solution process, and the organic photovoltaic cell comprising the photoactive layer has high efficiency.  
 IPC C07D0409-14; C07D0495-22; H01L0051-30  
 IT 10468133; 1306973; 14206424; 19961729; 21590901; 23889580; 24056359; 24056361; 24056362; 24056363; 27426399; 27426400; 3535111; 35924942; 3679451; 49047573; 49308975; 605257; 878197

**In North America**

CAS Customer Center:  
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**In Japan**

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 International Chemical Information)  
 Nakai Building  
 6-25-4 Honkomagome, Bunkyo-ku  
 Tokyo 113-0021  
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 +81-3-5978-3621 (Customer Service)  
 E-mail: [support@jaici.or.jp](mailto:support@jaici.or.jp) (Technical Service)  
[customer@jaici.or.jp](mailto:customer@jaici.or.jp) (Customer Service)  
 Internet: [www.jaici.or.jp](http://www.jaici.or.jp)