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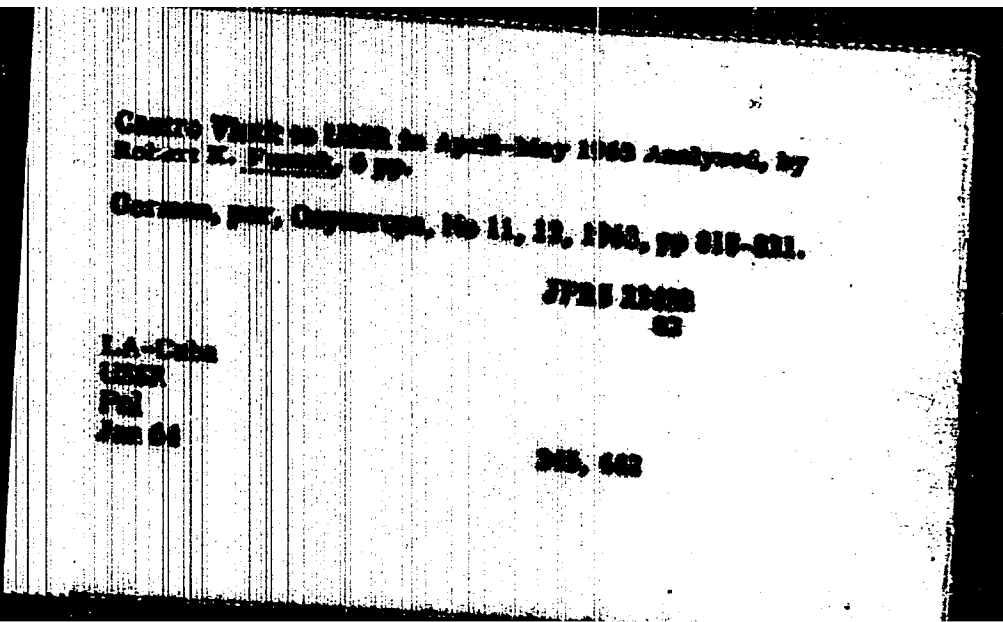
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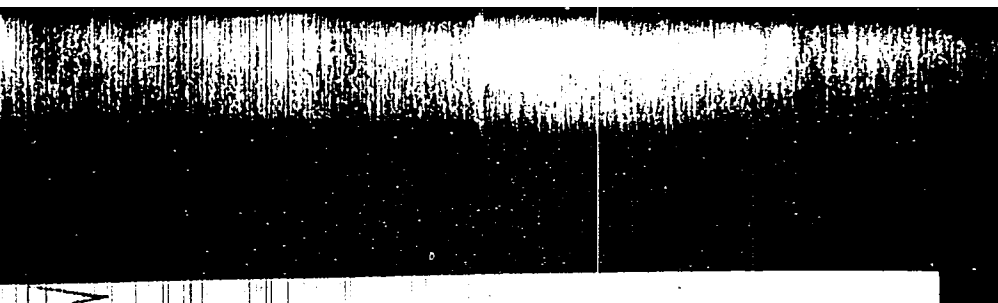
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NO 35-36, SEP 1962, PP 51-63.

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A New Stage in the Development of the World  
Socialist System and Its Significance, by  
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BULGARIAN, per, Novo Vreme, No 4, 1961,  
pp 36-49.

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by Akira Furukashi, 36 pp.

JAPANESE, part, Nippon Genshiryoku Gakkaishi, Vol. IV,  
No 11, 1962, pp 777-807. 9216792

AEC-Tr-6085

Sol - Michi Sada  
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New automatic data processing machine, MERIAC-1-F

Kisho To Tokel, 10, No. 1, 23-31 (1959)

Trans. No. 703. \$ 0.75, 60-21726 - English

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OTS 60-21726

TT-65-62892

Field 11J

Furukawa, J.; Tsuruda, T.; Mitsue, T.; Kakogawa, G.  
A NEW PROCESS FOR POLYMERIZING PROPYLENE OXIDE  
USING A MIXED CATALYST OF ORGANOMETALLIC COM-  
POUND AND SOLID ACIDIC OXIDES. 11 Jun 65, 10p.  
Order from CPSTI, SLA, or ETC: HC\$1.10, MFS0.50 as  
TT-65-62892

Trans. of Patent (Japan) pub. 35-21044.  
Patent pub. 1 No. 61, filed 26 Jul 58, application no.  
33-21032, by Saidanhojin Nihon Kagaku-Seni Kenkyusho.

TT-65-14157

Field 111

Eurukawa, J.; Tsuruta, T.; Fujita, Y.; Kanasuki, A.  
POLYMERIZATION OF VINYL CHLORIDE WITH  
ORGANOMETALLIC COMPOUNDS. 32p. 23refs.  
Order from SLA: \$3.60 as TT-65-14157

Trans. of Kogyo Kagaku Zasshi (Japan) v63 n4 p645-52  
1960.

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Furukawa, Junju, Tsuruta, Teiji and others.

POLYMERIZATION OF VINYL CHLORIDE CATALYZED BY METAL ORGANIC COMPOUNDS. [1962] 23p.

Order from K-H \$28.75

K-H 11796 a

SLA 77-65-13997

Trans. of Kogyo Kagaku Zasshi (Japan) 1958, v. 61, no. 10, p. 1362-1366.

DESCRIPTORS: \*Polymerization, Vinyl chlorides, \*Catalysis, \*Metalorganic compounds, \*Polyvinyl chloride.

(Materials--Plastics, TT, v. 9, no. 10)

65-12948

- I. Furukawa, J.
- II. Tsuruta, T.
- III. K-H-11796-a
- IV. Kresge-Hooker Science Library Associates, Detroit, Mich.

Office of Technical Services

Furukawa Junji, Tsuruta, Teiju and others.  
A PROCESS OF POLYMERIZATION OF ALKYLENE  
OXIDE WHEREIN THE REACTION PRODUCT OF  
ZINC DIALKYL WITH WATER IS USED AS A  
CATALYST. Sep 62, 5p.  
Order from SA \$15.00 SA Code-P2

Trans. of [published] Japanese patent 3394/1961,  
18 Apr 61, cl. 25 C O (13 F 1) appl. no. 33458/1958,  
24 Nov 58, Institute of Japanese Chemical Fiber  
Research.

DESCRIPTORS: \*Ethylenes, \*Oxides, \*Polymerization,  
\*Zinc compounds, Metalorganic compounds, Alkyl  
radicals, Water, Catalysts, Catalysis.

(Chemistry--Organic, IT, v. 8, no. 11)

62-34484

- I. Furukawa, J.
- II. Tsuruta, T.
- III. Patent (Japan) pub. 36-3394
- IV. SA Code-P2
- V. Seizaburo Aoki (Japan)

*222 236*

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TT-65-14080

Field 7C

Furukawa, J.; Tsuruta, T.; Ito, K.; Kashuchi, I.;  
Kawasaki, A.

VINYL POLYMERIZATION WITH ORGANIC LITHIUM  
COMPOUNDS. 23p; 19refs.

Order from SLA: \$2.60 us TT-65-14080

Trans. of Kogyo Kagaku Zasshi (Japan) v63 n4 p640-5 1960.

MF 672

NCH-200 948

Field 7C

Furukawa, J.; Tsuruta, T.; Shiotani, S.; Kawasaki, A.  
POLYMERIZATION OF VINYL CHLORIDE WITH THE  
USE OF ORGANOMETALLIC COMPOUNDS AS  
INITIATORS. Rept. no. 9 of Studies of Polymerization  
Reaction with Organometallic Compounds.  
28 Apr 65, 44p, 10refs. SA-KKZ-62-2-1.  
Order from SA: \$31.00 as KKZ-62-2-1

Trans. of Kogyo Kagaku Zasshi (Japan) v62 n2 p268-73  
1959.

I. Seizaburo Aoki,  
Fujisawa (Japan)

Furukawa, Junji, Tsuruta, Teiji and others.  
A NEW PROCESS OF POLYMERIZATION OF  
ETHYLENE OXIDE WHEREIN THE REACTION  
MIXTURE OF ORGANO-ZINC COMPOUND WITH  
SOLID ACID IS USED AS A CATALYST. Sep 62,  
5p.

Order from SA \$15.00 SA Code-P3

Trans. of [published] Japanese patent 13446/1961,  
15 Aug 61, cl. 25 C O (13 F I) appl. no. 28288/1958,  
4 Oct 58, by Institute of Japanese Chemical Fiber  
Research.

DESCRIPTORS: \*Ethylenes, \*Oxides, \*Polymeriza-  
tion, \*Zinc compounds, Metalorganic compounds,  
Acids, Aluminum compounds, Alumina - silica  
catalysts, Catalysts, Catalysis.

(Chemistry--Organic, TT, v. 8, no. 11)

62-34483

- I. Furukawa, J.
- II. Tsuruta, T.
- III. Patent (Japan) pub. 35-13446
- IV. SA Code-P3
- V. Setzaburo Aoki (Japan)

*S.S., S.S.*

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The Characteristics of Fluidised Particles. V.  
Methods of Controlling the Distribution of  
Particles and Bulk Density in Fluidised Beds, by  
T. Omas, J. Furukawa, 15 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LVI,  
1953, pp 824-826.

AEC NF Tr-444

Sci - Phys

Oct 60

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Characteristics of Fluidized Particles. Part II  
Expansion of Fluidized Beds of Flowing Gases, by  
J. Furukawa, T. Ouzae, 9 pp.

JAPANESE, per, J. Chem Soc Japan Ind Chem Sect,  
Vol IV, No 1, 1952, pp 3-6.

Sci  
Aug 58

SLA Tr 57-2682

PT 55-408

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The Characteristics of Fluidised Particles.  
IV. Particle Distribution in Fluidised Beds,  
by T. Onoe, J. Furukawa, 24 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LVI,  
1953, pp 727-731.

AEC NP Tr-438

Sci - Nuc Phys  
Aug 60

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Characteristics of Fluidized Particles. Part I.  
On the Viscosity of Fluidized  $\text{S}$  Powders, by J.  
Furukawa, T. Omasa, 5 pp.

JAPANESE, per, J. Chem Soc Japan Ind Chem Sect.  
Vol LIV, 1951, pp 798-800.

SIA Tr 57-2684

AT 5-5

AT 5-5-1957

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Sci  
Aug 58

Furukawa, Junji, Tsuruta, Teiji, and Morimoto, Kazuhisa.  
NEW METHOD FOR POLYMERIZATION OF VINYL COMPOUND. July 63, Sp. 5 refs.  
Order from SA \$16.00      SA Code-P-171

Trans. of published Japanese patent 3289/1962, cl. 26-B-012 (26-B-121) (26-B-151) (26-B-211) appl. no. 8037/1957 filed 2 Apr 57, pub. 1 June 62, Nihon Kagaku Seni Kenkyujo.

DESCRIPTORS: \*Vinyl plastics, \*Styrenes, \*Butadienes, \*Acrylonitriles, Polymerization, Metalorganic compounds, \*Catalysts, \*Sodium compounds, Alkyl radicals, \*Titanium compounds, Alkoxides.

(Materials--Plastics, TT, v. 10, no. 9)

63-22289

- I. Furukawa, J.
- II. Tsuruta, T.
- III. Morimoto, K.
- IV. Patent (Japan) pub. 37-3289
- V. SA Code-P-171
- VI. Seizaburo Aoki (Japan)

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63-17954

Furukawa, Junji, Tsuruta, Teiji, and Nakayama, Yukio.

NEW METHOD OF POLYMERIZING METHYL METHACRYLATE BY A MIXED CATALYST CONSISTING OF A HYDRIDE OF AN ALKALI METAL AND AN ORGANOMETALLIC COMPOUND. July 63, 5p.

Order from SA \$16.00

SA Code-P-121

Trans. of published Japanese patent 14641/1962, cl. 26-B-151 (13-F-1) appl. no. 21589/1960 filed 21 Apr 60, pub. 20 Sep 62, by Nippon Chemical Fiber Research Institute, Inc.

DESCRIPTORS: \*Acrylic resins, Production, Acrylates, Methyl radicals, Polymerization, Catalysts, Metalorganic compounds, \*Ziegler catalysts, Alkali metal compounds, \*Sodium compounds, \*Lithium compounds, Hydrides, Group II elements, Group III elements (Materials--Plastics, TT, v. 10, no. 6) (over)

1. Title: Methyl methacrylate
- I. Furukawa, J.
- II. Tsuruta, T.
- III. Nakayama, Y.
- IV. Patent (Japan) pub. 37-14 641
- V. SA Code-P-121
- VI. Seizaburo Aoki (Japan)

44680

Office of Technical Services

TT-64-12652

Furukawa, Junji, Saegusa, Takeo, Tsuruta, Teiji,  
and Fujii, Hiroyasu.

NEW METHOD OF POLYMERIZING ALDEHYDE.

Mar 64, 14p

Order from SA \$16.00

SA Code-P-271

Trans. in manuscript of published Japanese patent  
18644/1962, cl. 26-C-118 (13-F-151) appl. 39908/1959,  
23 Dec 59, pub. 10 Dec 62, by Foundation Juridical  
Person of Japan Chemical Fiber Research Institute,  
Kyoto Univ. (Abstract available)

DESCRIPTORS: \*Acetyl plastics, \*Aldehydes,  
Polymerization, \*Catalysts, \*Metalorganic compounds.

The invention relates to a method of high polymerization  
of aldehyde characterized by polymerizing aldehyde ex-  
pressed with the general formula RCHO (where R indi-  
cates aliphatic and aromatic hydrocarbon residues other  
(Materials--Plastics, TT, v. 11, no. 11) (over)

- I. Furukawa, J.
- II. Saegusa, T.
- III. Tsuruta, T.
- IV. Fujii, H.
- V. Patent (Japan)  
pub. 37-18644
- VI. SA-Code-P-271
- VII. Setzaburo Aoki,  
Fujisawa (Japan)

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I. Furukawa, J.  
 II. Tsuruta, T.  
 III. Saegusa, T.  
 IV. Sakata, H.  
 V. Kakogawa, G.  
 VI. SA-KKZ-62-9-1  
 VII. Seizaburo Aoki,  
 Fuisawa (Japan)

NCH-200 955  
 Field 111  
 Furukawa, J.; Tsuruta, T.; Saegusa, T.; Sakata, H.;  
 Kakogawa, G.  
 HIGH POLYMERIZATION OF ALKYLAMINE OXIDE.  
 29 Apr 65, 22p (2 figs omitted) Zorets.  
 SA-KKZ-62-9-1.  
 Order from SA: \$28.00 as SA-KKZ-62-9-1.  
 Trans. of Kogyo Kagaku Zasshi (Japan) v62 n9 p1269-73  
 1959.

Office of Technical Services

(Materials--Plastics, TT, v. 10, no. 6)

DESCRIPTION: Vinyl plastics, Production, Vinyl  
radicals, Alkoxy radicals, Nitriles, Esters, Acrylic  
resins, Acrylonitriles, Polymerization, Catalysts,  
Metalorganic compounds, Ziegler catalysts,  
Cadmium compounds, Alkyl radicals, Transition  
elements, Halides.

Trans. of published Japanese patent 14634/1962, cl.  
26-B-1 (26-B-131) (26-B-151) appl. no. 1186/1960,  
filed 19 Jan 60, pub. 20 Sep 62, by Nippon Chemical  
Fiber Research Institute, Inc.

Order from SA \$16.00      SA Code-P-120

Sp.  
AND A TRANSITION METAL COMPOUND, July 63,  
BY A MIXED CATALYST OF FALKYL CADMIUM  
METHOD OF POLYMERIZING VINYL COMPOUNDS  
Furukawa, Junji, Tsuruta, Teiji and others.

- I. Title: Methyl methacrylate
- II. Tsuruta, T.
- III. Patent (Japan)
- IV. SA Code-P-120
- V. Setzaburo Aoki (Japan)

63-17953