

Amount of Error in the Determination of Particle
Size Distribution, by W. Latel, 15 pp.

Latel, W. Chem Ing Tech, Vol XXVIII, 1956,
11-17.

L.
S.P.A. A-57-219
f

Lab. of Chemistry
San 57 CDR

48,997

Stoppage of Rapid Reactions in Fluidized-Solids Beds,
by P. Petting, H. Vicks, 27 p.

GERDANI, p. 11, Chem-Ing-Technik, 1956, Vol XXVIII,
No 2, pp 811-93.

SLA 59-20481

Sci
Mar 60
Vol 2, No 11

109,544

Problems of the Technical Control of Reactions,
by H. W. van Krevelen.

GERMANY, per, Chem Ing Tech, Vol XVII, 1956,
pp 129-134.

AMLIB-GB121

Sci

Aug 58

71,594

Physics of Highest Pressures, by F. Kees, 28 pp.

GERMAN, *publ.*, Chem Ing Tech, Vol XXVIII, 1956, pp
141-152.

SLA 58-177

Sol.

Aug 59

95,184

Methods and Results of Modern Single-Crystal
Growth, by A. Neuhaus, 20 pp.

CHROMIUM, per, Chem-Engr-Tech, Vol XXVIII, 1956,
pp 157-161. 7572645

AEC Tr-4663

S-1 -Chem
Aug 61

165, 382

Investigations on the Transmission Processes in
Liquid Solids, by Walter Lorenz, 40 pp.

Chem. Ind. (Lond.), Vol. XXVII, 1951,
pp. 165-174. 9212360

ABSTRACTED

INDEX

Sci. & Tech. Met.

341,439

Aug 63

Transport Processes and Surface Reactions in the
Combustion of Graphite Carbons, by M. Rossberg,
M. Wiele, 22 pp.

Chem. Ing. Tech., Vol XXVIII, No 3,
1956, pp 181-189.

SLA Tr 57-754

Sci - Physics

50,608

Aug 57

Production of Synthesis Gas in the Otto Engine
With Simultaneous Energy Release, by L. Scessich,
12 pp.

GERMAN, per, Chem. Ind. Tech., Vol XVIII, No 3,
1956, pp 190-195.

SLA Tr 57-354

Sci - Eng
Jul 57

50,037

Technology of Chemical High Pressure Processes,
by L. Reichle.

REICHLE, L., Chemie-Ingenieur-Technik,
Vol. XXVIII, No 3, 1996, pp 203-213.

CSIRO
SLA 61-20886

Sol - Chem

142, 707

Apr 62

The Testing of Agitators by Solubility-Analysis,
by J. P. Kowalski, 23 pp.

CHERMAN, JACQ, Chem-Eng Tech, Vol. XXVIII, pp 221-
225, 1956.

SLA 3255

Bel - Chem
Aug 58

70,351

A New High-Speed Centrifuge and New Laboratory
Centrifuge, by E. Wiedemann, 14 pp.

GERMAN, per, Chem Ingr Tech, Vol XVIII, 1956,
pp 463-489.

AEC DIV-Inf-Ser-69

Sci - Chem
May 61

150,895

Mathematical Treatment of the Problem of the De-
acidification of Lump Carbonates, in Particular of
Limestone, by J. Wührer, G. Rademacher.

GERMANY, year, Chem Ing Tech, Vol XXVIII, No 5, 1956,
pp 368-376.

ASLIB-0839

Sci

Aug 55

95, 368

High Pressure Pumps and Machines, by
C. H. Fultner.

QUINNAN, per, Chem Ind Tech, Vol XVIII,
No 5, 1976, pp 337-342.

A.E.R.E. Harwell Lib Tr
02/2371

Sci - Engineering
Jul 57

50,691

Methods and Results of Modern Growing of Single
Crystals, part II, Special Methods of Growing by
A. Kondratov, 63 p.

GIERMAN, part, Chemie-Ing-Tech, 1956, Vol XXVIII,
No 5, pp 350-365.

SLA 59-17211

Sol
Jan 60
Vol 2, No 6

103 746

Chemistry and Chemical Requirements at the 1956
German Industrial Exhibition in Hannover, by
Dr Josef Hausen, pp 30 pp.

GERMAN, par, Chem Ing Tech, Vol XVIII, 1956,
pp 441-472.

NOT RELEASABLE TO FOREIGN NATIONALS

CIA/FID XI-318

Sci - Chemistry

Aug 57

INC INTERNAL USE ONLY

51,174

Kirschbaum, E., Busch, W., and Billet, R.
RECTIFICATION IN PACKED TOWERS AT ATMOSPHERIC PRESSURE AND AT REDUCED PRESSURES.
[1963] 22p.

Order from K-H \$22.00

K-H 5486 a

Trans. from Chemie-Ingenieur-Technik (West Germany)
1956 (v. 26) no. 1, pp. 1-22.

DESCRIPTORS: Purification, *Distillation, *Towers
(Chemistry), Pressure.

(Engineering--Chemical, TT, v. 10, no. 1)

63-17285

- I. Kirschbaum, E.
- II. Busch, W.
- III. Billet, R.
- IV. K-H-5486-a
- V. Kresge-Hooker Science Library Associates, Detroit, Mich.

Office of Technical Services

Gas Chromatography and Extractive Distillation, by
E. Hock, 12 pp.

GERMAN, part, Chemie-Ingenieur-Technik, Vol XXVIII,
No 7, 1956, pp 489-495.

SLA 59-10641

AT 5/860-GJ

Sci - Chem
Sep 54
Vol 2, No 11

97,288

Theoretical Considerations on the Effect of the
Height of the Cooling Wall on the Heat Transfer
in Dropwise Condensation, by R. Gregorig. URCL

QUITMAN, ger, Chem Ing Tech, Vol XXVIII, 1958,
pp 551-553.

DSIR 34557/CT

Sci - Phys
Mat 59

83,370

Heat Transfer to Non-Newtonian Fluids for Laminar
Flow Through Tubes, by U. Griggall.

CHINESE, per, Chem Ing Tech, Vol XXVIII, No 8/9,
1986, pp 553-556.

Dept of Int
US Bur of Mines
Appalachian Reg Sta
Morgantown, W Va.

AKC Tr 2906

84,621

Heat - Chem

Management of Spontaneous Combustion of Carbon, by
K. Bratzler.
GERMAN, par, Chem-Ing Tech, Vol 28, No 8/9, 1956,
pp 569-576.
*AEC/ORNL-Tr-2568

Jan 72

Optimum Conditions for the Enrichment of Heavy
Water in Hot-Cold ~~Micro~~ Columns, by K.
Blair, 26 pp.

GERMAN, ~~year~~, Chem Eng Tech. Vol. XXVIII, No 10,
1956, pp 605-608.

SLA 57-2975
(Acc. Tr 2887)
74

Sci

Aug 58

71,179

7

MILAZZO, G
37 2380. The measurement of small vapour
pressures. Chem. Ing. Tech., 28, no.10, p.646-
650, 1956. (27p.) (ABSTRACT)

Industrial Synthesis of Nitriles at High
Pressure and Elevated Temperature, by W.
Fluck and F. Glaser, 17 pp.

GERMAN
Vierteljahr, per, Chem Ing Tech, Vol XXVIII, No
11, 1956, pp 689-697.

Assoc Tech Serv-34J140
A 13 - 22 - 5

Sci

71,588

Aug 54

On the Cracking of Liquid Hydrocarbons by Small
Light Arcs, by H. Kroppalin, H. Kadelbach, H.
Kopsch, E. Winter, 11 pp.

GENMAN, Eng., Chem Ing. Tech., Vol XXVIII, No-1, 1956
pp 703-706.

SLA Tr 57-1970

Sci.

Jan 58

65,912

Programs in the Field of Carbide Production,
by T. Kassa, E. Vogel.

QUARTERLY, per, Chem -Ing -Tech, Vol XXVIII,
Dec 1956, pp 759-760.

ASLIB-0839

Rec
Aug 54

70, 782

61-25140

- I. Heiss, R.
- II. Suk, Erica, Akron, Ohio

Heiss, R.
 THE STABILITY OF PACKAGED MOISTURE-
 SENSITIVE COMMODITIES. [1961] 14p. 5 refs.
 Order from EB \$7.00

Trans. of Q. J. [unclear] Techn[ic] (West
 Germany) 1966, v. 28, p. 763-768.

DESCRIPTORS: *Materials, Stability, *Packaging,
 Moisture.

3-26-76

INDEXED

Office of Technical Services

(Materials, TT, v. 6, no. 7)

Rotational Viscometer With "Zero Rixpat
Displacement" Torque Measurement, by J.
Pawlowski, 14 pp.

CONFIDENTIAL, per, Chem Eng Tech, Vol XXVIII,
No 12, 1956, pp 700-793.

ATS-104/112
CIA/FDD X-2750

112- TT
64-1666

Sol - Eng
Apr 58

CSIRO

61,939

Precision Distillation Columns, by W. Kuhn, 28 pp.

OSERMAN, per, Chem-Engg-Tech, Vol XXIX, 1957,
pp 6-16.

ARC AERE-trans-850

Sci - Engr
16 Oct 60

128,911

Drop Formation in Liquids at Jets with
High Throughputs, by W. Siemes, J. F.
Kaufmann, 17pp.
GERMAN, per, Chemie-Ingenieur-Technik,
Vol 29, No 1, 1957, pp 32-38.
CFSTI TT-64-20115.

322,609

Sci - Electronics &
Electrical Engineering
Mar 67

Several Unit Process Principles With Fluidized
Beds, by B. Wicks.

CHINA, Chem Eng Tech, Vol. XXIX, 1957,
p 1219.

NRC-CR327

Sol + Chem

Jun 59

89.593

Level Gauge and Control Process, by W. E. Frede,
9 pp.

GERMAN, Eng, Chem Ing Tech, No 4, 1957, pp 250-
254.

SLA 57-3408

Sci
Apr 59

84,956

Determination of the Solid Content of Hot Waste
Gases by Means of the Electric Microbalance,
by T. H. Gant.
CHEMIST, per, Chemie-Ingenieur-Technik, Vol XXIX,
1957, pp 262-266.
CIBIB 2968

Attili - Chem
Ajr 04

255,127

Advances in Techniques and Applications of
Freeze-Drying. by K. Neumann.
GERMAN, per, Chemie-Ing Techn, Vol, 29, No. 4,
1957, pp 267
GB/163

Sci
Aug 67

335
255-294

Progress in the Method and Use of Freeze-drying, by K. H. Neumann, 29 pp.

GERMANY, pub, Chem Ing Tech, Vol XXIX, (Report of Meeting), 1954 pp 267-275.

SIA 57-117

Sci.

Aug. 58

71,099

REQUEST FOR CHECK 17-7-82 BR70-1409

Eng Title: unk
Hampel, B., Luther, H.
Ger ~~number~~ per: Chemie-Ing. Techn. 1957, nr 5,
~~305-405~~ 323-329

In process as

HC-23-560-70

R

*Negative
Hamp 70*

A New Method for Continuous Gas Analyses, by G. M. Schwab, O. Neuwirth, 12 pp.

GERMAN, per, Chem Ing Tech, Vol XXIX, No 5, pp 345-347, 1957.

BIA 3246
IICM - 8772

Sci - Chem
Aug 58

70,489

B-3

The Enrichment of the Light Uranium Isotope by the
Diffusion Method, by W. Becker, 24 pp.

Full text

GERMANY, 120 pp., Chemie Ingenieur Technik, No 6, West
Germany, Jun 1957, pp 365-371.

XEROXED
CIA/TDD/ X-2515

ALD 1001-1/1A-01

Widr - West Germany

Sci - Nuclear Physics, nuclear energy, nuclear chemistry

50,674

61-10458

Kirachbaum, Emil and Lippardt, Guntar.
PARTIAL CONDENSATION OF BINARY MIXTURES
(Teilherabsetzung von Zweikomponenten). [1960]
[15] p. 2 refs.
Order from SLA 0182.40, 0183.30 61-10458

Trans. of Chem. [Ingenieur]-Technik (West
Germany) 1957, v. 29 (no. 6) p. 363-367.

Among the processes for thermal separation of soluble
liquid mixtures that of partial condensation is receiving
increased consideration in basic research. Experi-
mental results are reported which show the relation of
shape between dewpoint values. Physical explanation of
the findings is given and in addition to separation effects
by partial condensation, heat transfer during condensa-
tion of binary mixtures is discussed. (Author)

(Chemistry--Physical, TT, v. 5, no. 7)

1. Mixtures--Separation
2. Vapors--Condensation
1. Kirachbaum, E
11. Lippardt, G.

148,514

Office of Technical Services

A Differential Refractometer for Precision
Measurements, by O. Rodmann, 5 pp.

GERMANY, Chemie-Ingenieur-Technik,
Vol XXXIX, No 7, 1957, pp 468-473.

CSIRO

Sci - Engg
Wav 61.

174,394

The Possibilities of the Utilization of Carbon
Monoxide-Containing Gases for the Synthesis
of Hydrocarbons, by H. Koebel. UNCL

GERMANY, per, Chem Ing Tech, Vol XXIX, 1957,
pp 505.

British Iron and Steel Ind 1151
(L1 10 0)

Sci + Chem SLH 61-18737
Apr 59

84,703

CI-10465

Kirschbaum, Ernst
RELATION BETWEEN HEAT AND MATERIAL EX-
CHANGE DURING CONDENSATION OF VAPORS OF
SOLUBLE BINARY MIXTURES (Beziehung Zwischen
Wärme- und Stoffaustausch bei der Kondensation von
löslichen binären Zweistoffgemischen) [1950] [16]p.
S. refs

Cited from SIA no. 40, p. 83-90 CI-10465

Zeitschrift für Angewandte Technik (West
Germany) 1957, v. 29 (no. 9), p. 505-509.

During condensation of vapors of a multicomponent
mixture a relative movement of the components in
the vapor is superimposed on the heat transfer. The
result is that the temperature at the interface be-
tween the phases is lower than in the main body of
vapor. The temperature reduction itself is dependent
on the one hand on the mass exchange index which,
on the other hand, influences the heat transfer, in
that only a part of the temperature gradient between
(Chemistry-Physical, TT, v. 5, no. 7) (over)

- 1. Mixtures--Separation
- 2. Vapors--Condensation
- 1. Kirschbaum, E.

148,515

Office of Technical Services

Investigations on the Recovery of Potassium
Chloride From Crude Potassium Salts by
Crystallization, by H. Autenrieth.

GERMAN, per, Chemie-Ingenieur-Technik,
Vol XXIX, 1957, pp 709-721.

GA TT-66-10222

INXKQH/
INSDOC/T.4075

Sci
Dec 62

Experiments with High-Speed X-ray Fluorography
and Fluorography Settings. Fluorography Processing, Pt. II.
H. Blumenthal, 18 pp.

CONFIDENTIAL, per, Chem-Dog Tech., Vol XXXI, No 11, 1957,
pp 722-726.

Assoc Tech Serv
908260

Bel. - Gibson
May 55
Chem, V X, No 6

ATS-90K260
SLA-16117

86,346

Liquid Mixing in Narrow Bubble Columns,
by W. Siemes, W. Weist, 20 pp.
GILFELMAN, per, Chemie Ingenieur Technik, Vol XXIX,
No. 11, 1957, pp 727-732. 9214499
ADIC-ORNL-Tr-118

Sci-Chem
Oct 64

267,604

Separation of Liquid Mixtures by Partial Distillation,
by R. Willard.

GERMAN, part of Chemie-Ingenieur-Technik, Vol XXIX,
No 11, 1957, pp 732-742.

C.S.I.R.O.

Sci

May 60

115,749

Heat Exchange During Condensation of Vapour
in the Presence of Inert Gas, by J. Madzaki,
34 pp.
GOSMAN, J., ~~Chemical Engineering~~, Vol 29, No 12,
1957, pp 801-813. 94416296
MIRAC 1162

324,531

Bell - Chemistry
Jan 67

Approximate Equations for the Calculation of
Important Operational Data for Hydro-Cyclones
and Centrifuges, by H. Trevisani.

CHIMIA, Chimie-Ingénieur-Teknik,
Vol. XXX, No. 2, 1958, pp 85-95.

CSIRO

Set. - Ngr
Jun 62

199, 212

Rumpf, H.
[BASIC] PRINCIPLES AND METHODS OF GRANU-
LATION PPS 1-2. [1963] [65p] 26refs
Order from SLA \$/h. 60 TT-64-10179

Trans. of Chem. [ingénieur]-Technik (West
Germany) 1958, v. 30, no. 3, p. 144-158.
(Abstract available)

DESCRIPTORS: *Particle size. *Material separation.
Mechanical properties.

The most important characteristics of granulates are
discussed in the first part of the paper from the point
of view of manufacture and application. The term
granulation encompasses two physically different
manufacturing processes, size reduction and size
enlargement. The second part of the paper deals with
the physical principles underlying size enlargement,
and an attempt is made to derive the strength of the
(Engineering-Chemical, TT, v. 11, no. 3) (over)

TT-64-10179

1. Title: Granulation
1. Rumpf, H.

Office of Technical Services

61-10896

Bard, W[alter].
FLOW OF SOLID AND LIQUID PARTICLES IN
GASEOUS MEDIA WITH SPECIAL REFERENCE TO
FLOW PROCESSES IN PNEUMATIC TRANSPORT
(Strömungsverhalten beim Transport von Feststoffen
und Flüssigkeitsteilchen in Gasen, mit besonderer
Berücksichtigung der Vorgänge bei pneumatischer
Förderung). [1911][18]p. 17 refs.
Order from SLA ml32. 40, p433. 30

- 1. Conveyors--Test results
- 2. Shovels--Test results
- 1. Bard, W.

ATS-831-GJ

148691

Trans. of Chem[emical] Engineer[ing] Techn[ology] (West
Germany) 1958, v. 31, no. 3, p. 171-180.
A translation in French is available from SLA ml33. 01
p44. 30 as CIA-cr-A453, 15 Jan 59 [24]p.

For abstract see Technical Translations 2: 722, 1959.

Office of Technical Services

(Machinery, Fabrications, and Accessory Equipment,
TT, v. 8, no. 12)

The Enrichment of Heavy Water by High-Pressure
Exchange Between Hydrogen and an Aqueous Catalyst,
Synopsis, by E. W. Becker, R. Hibener, R.
Kessler, 26 pp.

GERMAN, Her, Chem Eng Tech, Vol. XXI, 1958, pp
208.

ABC ABR LAB 799

Sci - Chem

Doc 58

2018/11/10/07

78,245

Technical Synthesis of HCN from Methane
and Ammonia without Addition of Oxygen, by
F. Richter,

QUERENSH, per, Chemie-Ing-Techn, Vol XXI, pp 305-
310, 1958,

Sci - Chem

May 60

C.S.I.R.C.
ATS-122210
ATS/R12-GT

116, 931

60-19155

Rumpf, H
SURVEY OF TECHNICAL GRANULATION PROC-
ESSES, tr. by Bertha P. Klenova. Pt. 3 of Basic
Principles and Methods of Granulation. 21 May 59.
20p. 16 refs. [No.] 3801
Order from I.C. of SLA m\$2 40, ph\$3.30 60-19155

Trans. of Chem[ic]al-Eng[ineer]ing-Tech[nik] (West
Germany) 1958, v. 38, p. 329-336

For the various methods of granulation, flow sheets
of the process are presented in addition to the
schematic diagrams of the equipment used.

148, 343

- 1. Particles--Production
- 2. Materials--Processing
- 3. Particles--Measurement
- 4. Title Granulation
- I. Rumpf, H
- II. Title: Basic
- III. TVA-3801
- IV. Tennessee Valley Authority,
Wilson Dam, Ala

Office of Technical Services

1-13-61

(Engineering--Chemical, TT, v. 5, no. 7)

Tantalum as a Material of Construction for
Chemical Plant, by H. Moyil, H. Speidel.

GEINMAN, per, Chemie-Ingenieur-Technik,
Vol XXX, No 5, 1958, pp 337-340.

CS1280

Sci - Engr
Aug 62

207,356

Prevention of Contamination in the Preparation and
Analysis of Highly Pure Inorganic Substances, by
Frank A. Pohl, 5 pp.
GELMAN, per, Chemie-Ingenieur Technik, Vol XXX,
XIX:8, pp 347-348.
Natl Bu Stand

Sci - Chem
Nov 64

269,465

Automatic Control of Distillation Columns,
by G. Bogenstatter, and Hengst.

CHERMAN, par, Chemie-Ingenieur Technik,
Vol XXXI, No 7, 1959, pp 425-431.

CSIRO

Sci - Engr
Aug 60

207,419

Acetaldehyde as the Raw Material for Acrylonitrile,
by Kurt Bennwald, Karl-Heinz Steil, 29 pp.

GERMAN, *Ger*, Chemie-Ingenieur-Technik, Vol XXX,
No 7, 1958, pp 440-446.

SIA 59-15309

CH 59-21084

Sci
Dec 59
Vol 2, No 4

102, 710

VIII-Fronius Engineering Section. 5. Internal Meeting of the "Mixing Processes" Working Committee on March 20, 1958, in Bad Nauheim v. d. H., by H. Ehrberger, K. Sigwart, 8 pp.

GERMAN, per, Chemie-Ing-Techn, Vol III, No 8, 1958, pp 529-532.

Assoc Tech Serv 480270
8.90

Sol - Chem
OTH I, 4
Apr 59

83,256

Advances in the Knowledge of Technical Reaction
Chemistry, by Prof Dr D. W. Van Krevelen, 16 pp.

CHINMAN, ~~per~~, Chem Eng Tech, Vol III, No 9, 1958,
pp 553-559.

ATS-004-6
CIA/VED II-600
SIP 57-10224
SIP 57-10531
ATS-02-1295

Dist. - China
Sept 1959

VISION INTERNAL USE ONLY

86,137

Combination of Vibratory Ball Mills, by W. Batel,
8 pp.

GERMAN, INT, ~~Chemie-Ingenieur-Technik~~, Vol XXX,
No 9, 1953, pp 567-572.

SLA 59-15836

Sci.
Dec 59
Vol. 2, No 4

1021 1594

102,678

Technology of Coking Coal Production,
by W. Grunder.

GERMANY, per, Chemie-Ingenieur-Technik,
Vol. XXI, 1958, pp 573-576.

CSIRO 4660

Sci. - Min/Met
Jul. 62

204,869

Safety Requirements for Pressure Vessels,
by W. Hoop.

GIBBMAN, per, Chemie-Industrie-Technik,
Vol XXII, 1958, pp 664-666.

CSIRO

Std. - 11mg

191,730

Apr 62

Optimum Conditions for the Enrichment of Heavy
Water in Hot-Cold Columns. Part II. The Enriching
System, the Stripping System and the Transfer
Column, by K. Bier,

CHIMIA, part, Chem Ing-Tech, Vol XXXI, No 1, 1959,
pp 22-30.

AEC NP-Tr-400

Sci - Nuc Phys

May 60

117, 39.

TT-40-11971

Field 7D

Knaack, O.; Pohl, H.
EXPERIMENTAL CONTRIBUTION TO THE FUNDAMENTALS
OF PHLEBITZING 10p. refs.
Order from SK.A: \$1.10 as TT-65-11971

Trans. of Chem. Ingénieur-Technik (West Germany) v31 n1
p50-4 1969.

CSIRO

TT-65-11971

I. Knaack, O.
II. Pohl, H.

MR 622

Gas Convection in Ultracentrifuges and Its Significance
in the Development of Gas Centrifugation, by H.
Martini, 21 pp. *9076789*

GERMAN, paper, Chem Ingr Tech, Vol XXXI, 1959,
pp 73-79.

ASC NP Tr-453

Sci - Chem
3 Mar 61

141,573

Construction of Solid Bed Reactors for
Catalytic Gas Phase Processes, by F.
Ullmann.

Ullmann, Chemie-Ingenieur-Technik,
Vol. XXXI, 1959, pp 94-100.

CHIRO

Sci. Electronen
Oct 62.

171,306

Ads. Patterns for the Separation of Radioactive Ions
by F. H. Becker, 10 pp.

GENERAL, pp. Chem Engg Tech, Vol. XXXI, 1959,
pp. 145-146.

AD 1618-74(RD/R)

Sel - Chem
Jun 60

118,888

Mass and Heat Transfer Between Two Fluid Phases,
by P. Grubbman, 13 P.

GRUBMAN, Peter, Chem-Eng-Techn, 1959, Vol XXI,
No 3, pp 148-153.

ABS-681330

Sci
Mar 60
Vol. 2, No 11

109671

Ernst, Rudolf.

MECHANISM OF HEAT TRANSFER ON HEAT EXCHANGERS IN A FLUIDIZED BED (TURBULENT FLOW) (Der Mechanismus des Wärmeüberganges an Wärmeaustauschern in Fließbetten (Wirbelschichten)). [1961] 32 p. (13 figs. omitted) 19 refs. Order from SDA \$3.60

61-20483

Trans. of Chemie-Ingenieur-Technik (West Germany) 1959, v. 31, no. 3, p. 166-173.

DESCRIPTORS: *Fluidized solids, *Heat transfer, Turbulent flow, *Heat exchangers, Gases, Pressure.

The connection between heat transfer and movement of solid particles was investigated for a fluidized bed and a moving bed. The mechanism of heat transfer in fluidized beds is this: The contact time of solid particles on a heated surface determines the heat (Engineering--Chemical, TT, v. 7, no. 1) (over)

61-20483

I. Ernst, R.

Office of Technical Services

Hydrodynamic Seal for Rotating Shafts, by E. J.
Bocan, S. E. Tal, 31 pp.

CUNICH, per, *105*
~~Chem. Ingr. Tech.~~ Vol XXXI, 1959,
pp 202-202.

AJC DBO-Inf-Ser-13

Sci
Jun 61

156,082

A Spray Dryer for Thick Pastiles of Cakes,
by E. Hochmaller.

CHIRMAN, per, Chemie-Ingenieur-Technik,
Vol XXIX, No 4, 1977, pp 259, 260.

CSIRO

Doc - 18808
Jun 68

203,357

New Apparatus for Stirring Liquids, by B. Eck, 4 p.

GERMANY, 1951, Chem-Ing-Tech, 1951, Vol XXXI, No 4,
pp 2150-2151.

AIR-151340

Sci
Mar 60
Vol 2, No 11

109,572

~~HYPERTEXT~~ German Procedures for the Enrichment
of the Uranium Isotope, by W. Groth, 15 pp.

CHERMAN, per, Chem Ingr Tech, Vol XXXI, No 5,
1959, pp 323 310-318.

ARC GAT-2-5016

Skil - Chem
Apr 61

149,008

A Contribution to the Problem of the Action of Sulfuric Acid on the Dew Point Temperature of Flue Gases, by F. Muller, 14 p.

GERMAN, *pat.*, *Chem-Ing-Tech* 1959, Vol XXXI, No 5, pp 345-351.

ATS-42340

ATC/200/100

Set
Apr 60
Vol XXI, No 2

111,698

Heat-Transfer in a Thin-Film Evaporator, by
H. A. Kammer, J. Veldstra.

CHIMIE, par, Chemie-Ingenieur-Technik,
Vol XXIX, No 8, 1959, pp 493-497.

CSIRO

Sci - Phys

191, 731

Apr 62

Development of a Bursting Disc With a More
Accurate Response, by J. Mitschke.

GERMAN, per, Chemie-Ingenieur-Technik,
Vol XXXI, 1959, pp 511-516.

OSIRO

Sect - Engg
Aug 62

207,357

Pin Grinding With Mechanically Driven Impact
Machines, by W. Bauschauen.

(GERMAN), per, *Chemie-Ingenieur-Technik*, No 3,
1959, pp 553-560.

CSIRO
OTS 62-25748

Sci - Magr

Jan 61.

156,931

Comparative Stirring Tests in Mixing
Soluble Liquids in a 12,000 Cubic Meter
Tank, by J. G. van de Vosse, 9 pp.

Chemical Engineering, par, Chemie Ingenieur Technik,
Vol XXXI, No 9, 1959, pp 581-587.

ADB-511360

Sci
Mar 62
Vol 114, No 2

188, 256

Dispersion of Gases in Liquids by Stirrers, by
H. Kahrweit, 21 pp.

GIERMAN, per, Chemie Ingenieur Technik, Vol XXXI,
No 9, 1959, pp 588-598.

ATS-52L:6G

186,309

Max 152

**Plastic-Coated Packaging Paper and Packaging
Material Combinations, by H. Berger.
GERMAN, per, Chemie-Ingenieur-Technik,
Vol. XXXI, No 10, 1959, pp 642-645.
CI/19/PL 7923**

**EUR-Germany
Edon
Jul64**

262,556

80-13259

Fuchs, W., Glaser, H., and Benda, F.
FILTRATION ADSORPTION (Filtern und Adsorption)
19 Nov 59 [7]p. (orig. text included) 2 refs.
Order from OCS or SEA 43-19

- I. Fuchs, W.
- II. Glaser, H.
- III. Benda, F.
- IV. Bureau of Mines,
Washington, D.C.

Trans. of Chem.-Engineering Technol. (West Germany)
1959, v. 14, no. 10, p. 677-679

DESCRIPTION: Chemical engineering. *Separation.
*Adsorption. *Organic solvents. Industrial research.
Also b 678

Theoretical and practical investigations have led to a
new method of filtration-adsorption. An
example of the separation of an amino primary base
from a mixture. Finally, a definition shows the differences be-
tween this separation and ordinary filtration and adsorp-
tion. (A-164)

(Eng. comp. report, ET, v. 8, no. 9)

80-13259

Office of Technical Services

Method for Comparing the Effects of
Dispersed Fungicides, by G. Stalleach.

GERMAN, per, Chemie-Ingenieur Technik,
Vol. XXXI, No 11, 1979, pp 731-734.

CSIR()

Sci - Chem
Jun 62

203,360

Greco, G. and Soldano, U.
NEW PLANTS TO PRODUCE FORMALDEHYDE
FROM METHANOL. [1961] 13p. 22 refs.
Order from RIII \$25.00 RIS S-212D

Trans. of Chemie-Ingenieur-Technik (West Germany)
1958, v. 31, III, T2 [p. 761-765].
Another trans. is available from SLA \$1.60 as
61-30895 [1961] 15p.

DESCRIPTORS: *Chemical industry, Germany,
Chemical engineering. *Formaldehyde, Production,
*Methanol, Oxidation, Dehydrogenation, Silver
catalysts, Metallic compounds, Oxides, Catalysts

(Engineering--Chemical, TT, v. 7, no. 5)

62-12439

I. Greco, G.
II. Soldano, U.
III. RIS S-212D
IV. Research Information
Service, New York

Office of Technical Services

Additional information on the
W. Schmidt, *et al.*

GILMAN, per. Chemie-Technologie
Technik, Vol. XXII, No. 1, 1960
pp 8-10.

X AT5-63M420
AT5/157-64

Sed.

186, 4.83

Pop. 68

Rolled Vane-type Blind Impeller With Changing Inci-
dence, a New Impeller for Blowers and Pumps,
by H. Eck.

ORRMAN, Max, Chemie-Ingenieur-Technik,
Vol XXXIX, 1960, pp 94-96.

CSIRO

Sci - Engr
Aug 62

207,355

41-12641

Rumpf, H.
PRINCIPLES OF IMPACT SIZE REDUCTION AND
THEIR APPLICATION TO JET GRINDING. [1960]

14p.
Order from ATS #17. 20

ATS-70M46G

Trans. of Chem[ic]e[ng]ineur[ing]-Tech[nik] (West
Germany) 1960, v. 52, no. 3, p. 129-135.

148, 635

- 1. Powders--Processing
- 2. Title: jet grinding
- 3. Title: impact size reduction
- I. Rumpf, H.
- II. ATS-70M46G
- III. Associated Technical
Services, Inc., East
Orange, N. J.

ATE/244-GJ

Office of Technical Services

(Engineering--Chemical, TT, v. 5, no. 7)

Physical and Economic Problems Involved in the
Transport of Solid Particles by Liquids and
Gases, by W. Barth.

CHEMICAL, ~~Eng. Tech.~~, Vol XLII, No 3,
1960, pp 164-170.

TN7 E57 No 344
Dept Int
ENT 257 No 344

Sci. - Chem
23 Mar 61

B151 2152
143,683

Process Technological Problems in Coal Briquetting,
by F. Wulf.

GERMAN, per, Chemie-Ingenieur Technik, Vol XXXII,
No 3, 1960, pp 198-201.

BOB A.1857
R.1861

Sci

Aug 61

Edot No 41

163,537

The Directives Regarding the Compensation for
Employees' Inventions in Private Employment,
by W. Ball.

GERMAN, per, Chemie-Ingenieur-Technik, Vol 32,
1960, pp 247-249.
NTC 71-14282-05D

Mar 72

The Fluidising Impact Process for the Drying of
Loose Granular Material, by L. Delik.

GERMAN, per, Chemie-Ingenieur-Technik, Vol XXXII,
Apr 1960, pp 253-257.

BISI 2927

Sel - Engr

Oct 60

212,279

1100 149

Vortex-Thrust Process for the Drying of Bulk-Goods, by L. Belik.
GUSHAN, MR. Chemis-Ingr-Tech., Vol 32, No 4, 1960,
pp 253-267.
AAEC LIB/TRANS 183

Sci/Chem
July 69

386-855

Corrosion of Refractory Bricks in Chemical
Furnaces, by E. Steinhoff.

GHISLAIN, per, Chemie Ingenieur Technik,
Vol IV, 1960, pp 267-278.

GB/137

Sci
Dec 62

Double-Acting Axial Slip Rings in the Chemical Industry, by Richard Mayer, 14 pp.

GERMANY, par, Chemie-Ingenieur-Technik, Vol XXXII, 1960, pp 285-288. 9077860

ABC Tr-4952

Sci - Chem, Engr
Apr 62

189, 945

On Commutation in Pin-Disc Mills, by W. Batel.

GERMANY, part, Chemie Ingenieur Technik, Vol XXXII,
No 1, 1960, pp 43-44.

Dept of Interior
TM7 837 No 438

173.836

Sci - Engr

Nov 61

The Measurement of the Coefficient of Temperature
Conductivity of Thermoplastics at Ranges Between
20 and 200°C, by Hans Frielingsdorf, 34 pp.
GERMAN, per, Chemie-Ingenieur-Technik, Vol XXXII,
No 4, 1960, pp 291-297. 9226128
AEC-SC-T-64-1647

Sci-Chem
Jan 65

270,615

TT-64-10914

Grunewald, Th.
INFLUENCE OF HIGH RADIATION DOSES ON THE
GAS AND WATER VAPOR PERMEABILITY OF SOME
PACKING FILMS. 26 Jun 63. 6p
Order from SLA \$1.10

I. Grunewald, T.

TT-64-10914

Trans. of Chem[ingenieur]-Techn[ik] (West
Germany) 1960, v. 32, no. 4, p. 297-298.

(Engineering--Chemical, TT, v. 11, no. 12)

Office of Technical Services

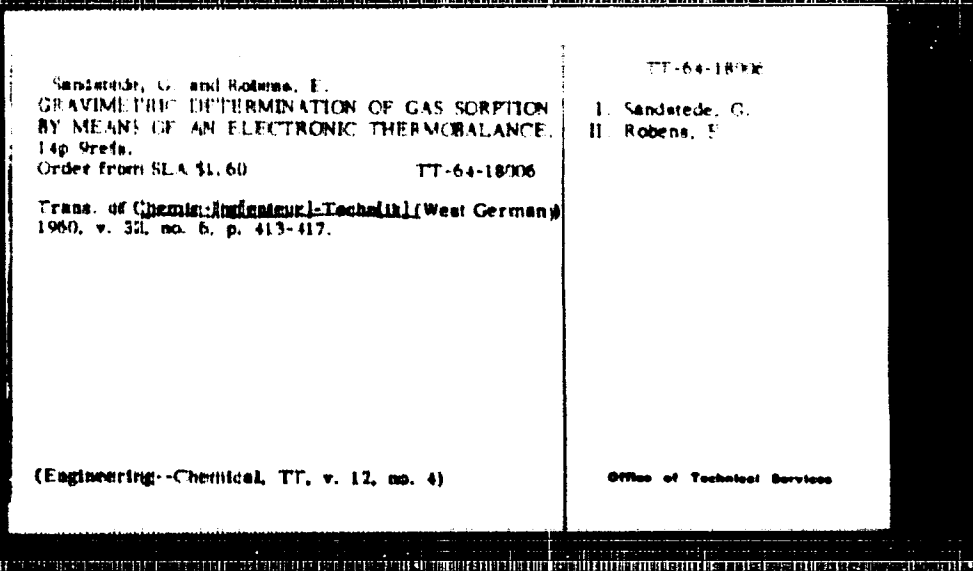
Experiments For the Determination of Particle
Movement in Gas Jets and Loading Mechanism
in Jet Mills, by H. Burpf, 13 pp.

GERMAN, per, Chemie-Ingenieur-Technik,
Vol. XLIII, No 5, 1960, pp 335-342.

ATS-87N420

Sci
Vol. IV, No 7
Apr 62

199,866



The Sixth Transitory Law, by W. Beil.
GERMAN, par, Chemie-Ingenieur-Technik, Vol 32,
1960, pp 503-504.
NTD 71-14283-05D

March 72