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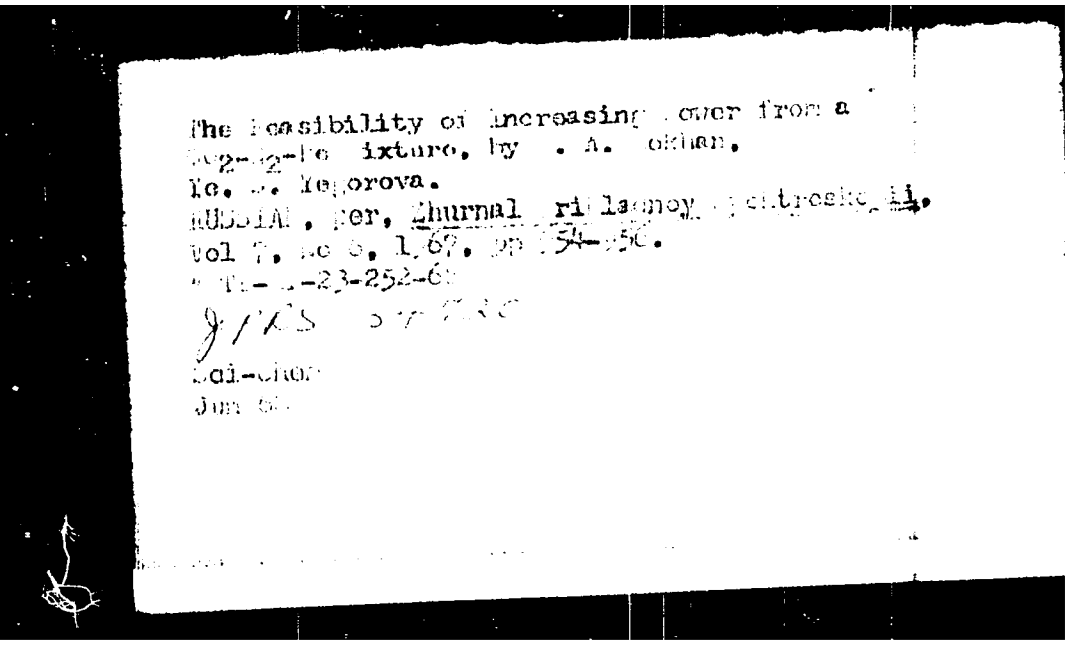

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Two-Lens Compensator for Hologram Chromatism, by
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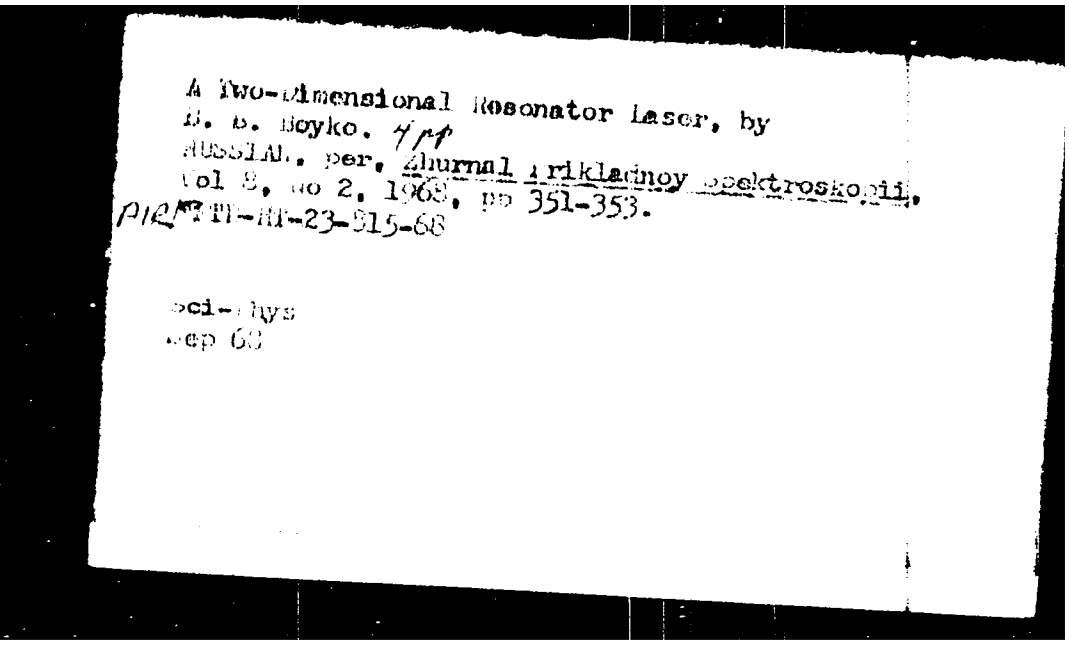

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ACSI J-7723
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Request translation check 25-6-10 BT69-11-704T

Possible Optical Cooling
E F Arsene'yev
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HT-23-473-69

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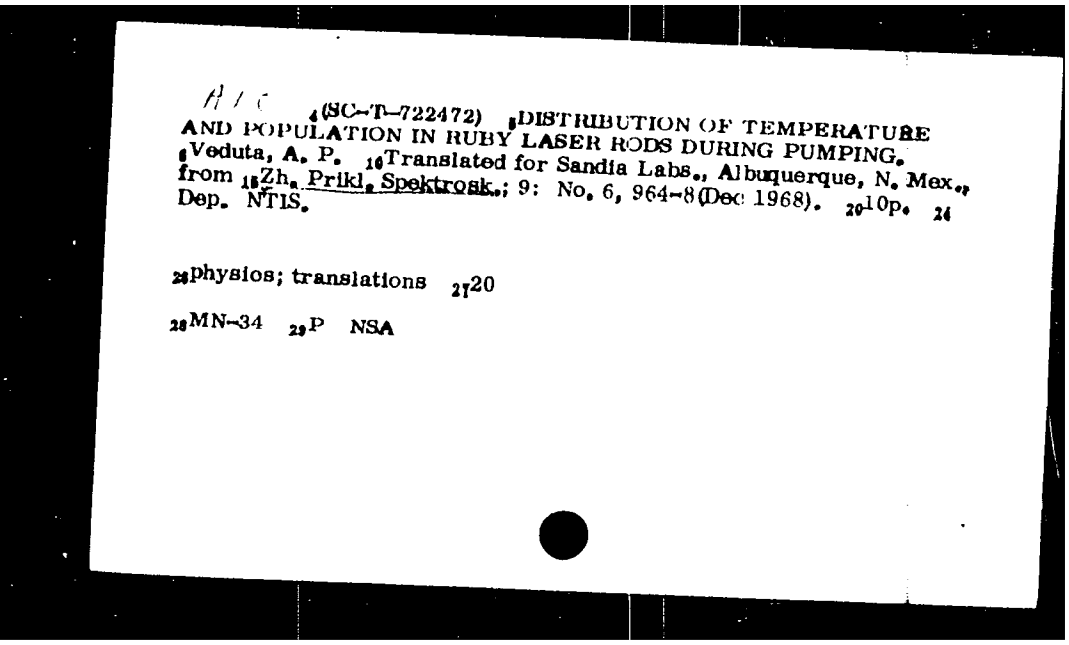

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FTD S-756A

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FTD S-[illegible]

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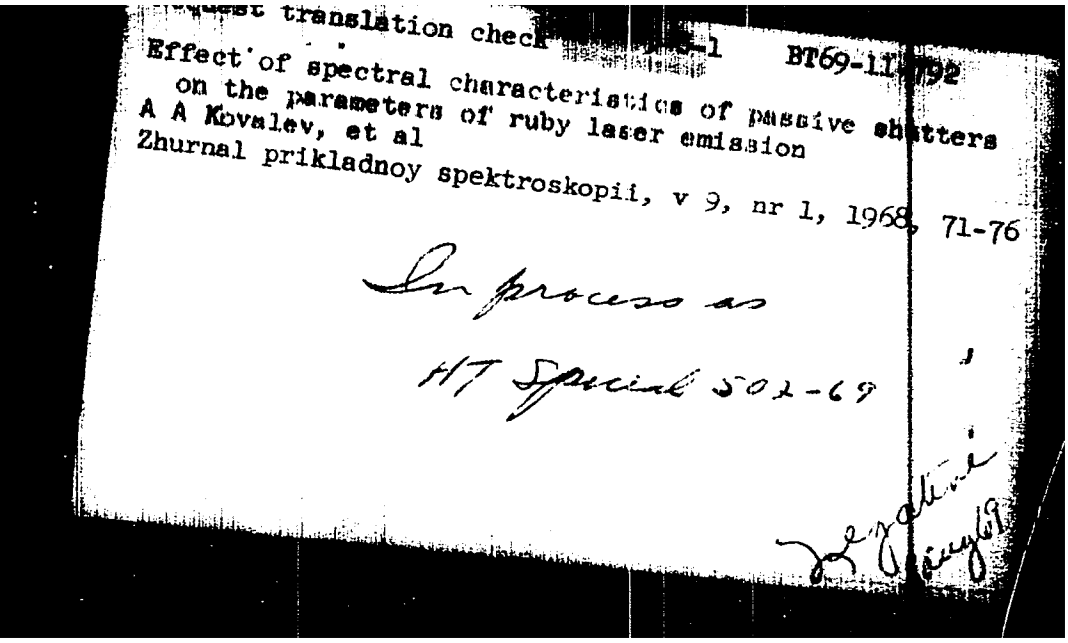

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Effect of spectral characteristics of passive shutters on the parameters of ruby laser emission

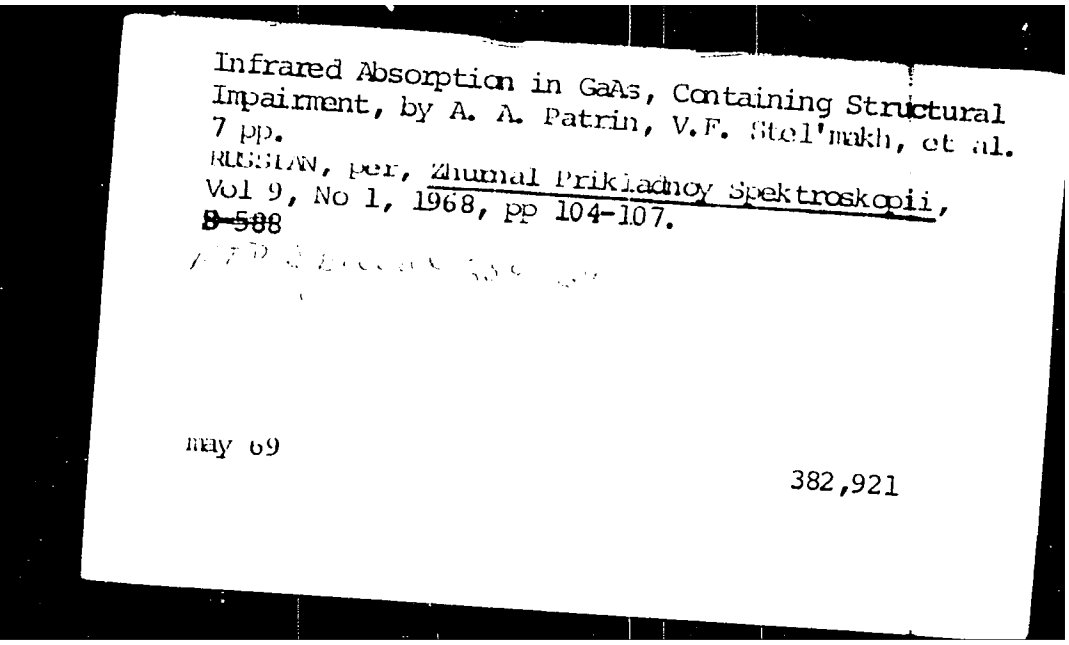
A A Kovalev, et al

Zhurnal prikladnoy spektroskopii, v 9, nr 1, 1968, 71-76

In process as

HT Special 502-69

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9



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Request translation check 518-2 BT69-11 [illegible]9T

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N A Voyshvillo, et al
Zhurnal prikladnoy spektroskopii, v 9, 1, 1968, 137-143

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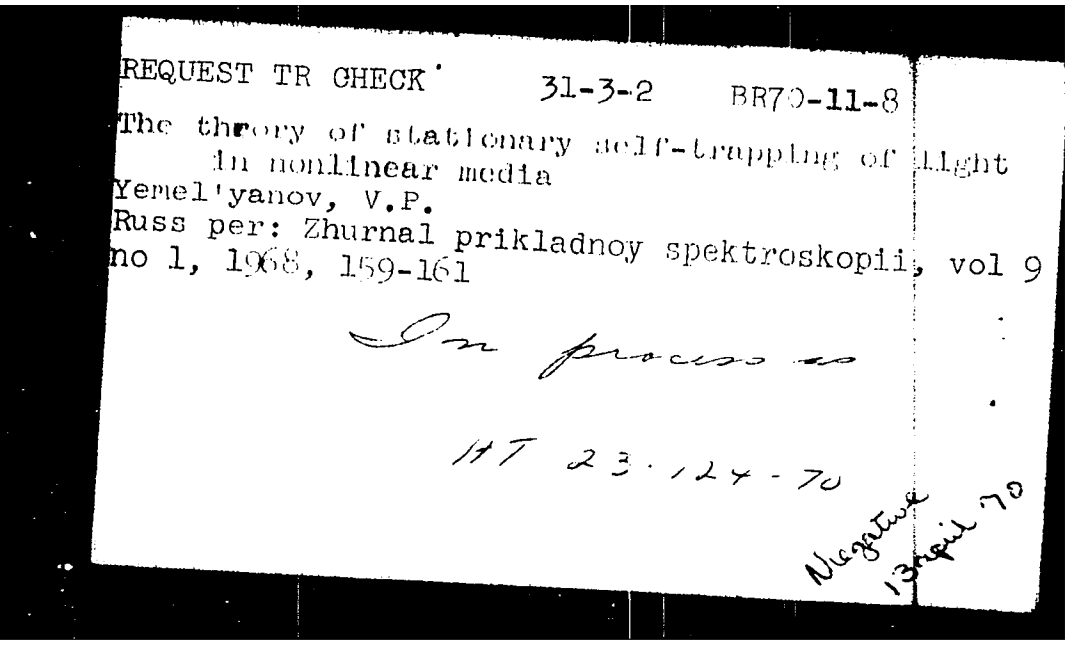

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The theory of stationary self-trapping of light in nonlinear media

Yemel'yanov, V.P.

Russ per: Zhurnal prikladnoy spektroskopii, vol 9 no 1, 1968, 159-161

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NT 23-124-70

Negative 13 April 70

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GB/DEFDRIC-Tr-2190-72

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

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Energy Transfer Between Trivalent Chromium and Ytterbium Ions in Silicate Glasses, by
G. A. Mokeyeva, et al.
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Two Lens Compensator for Hologram Chromatism, by
Sh. D. Kakichashvili.
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Use of a Laser Interferometer to Determine Electron Density in the Pulse Discharge of a Disintegrating Plasma, by V. V. Tatarinov.
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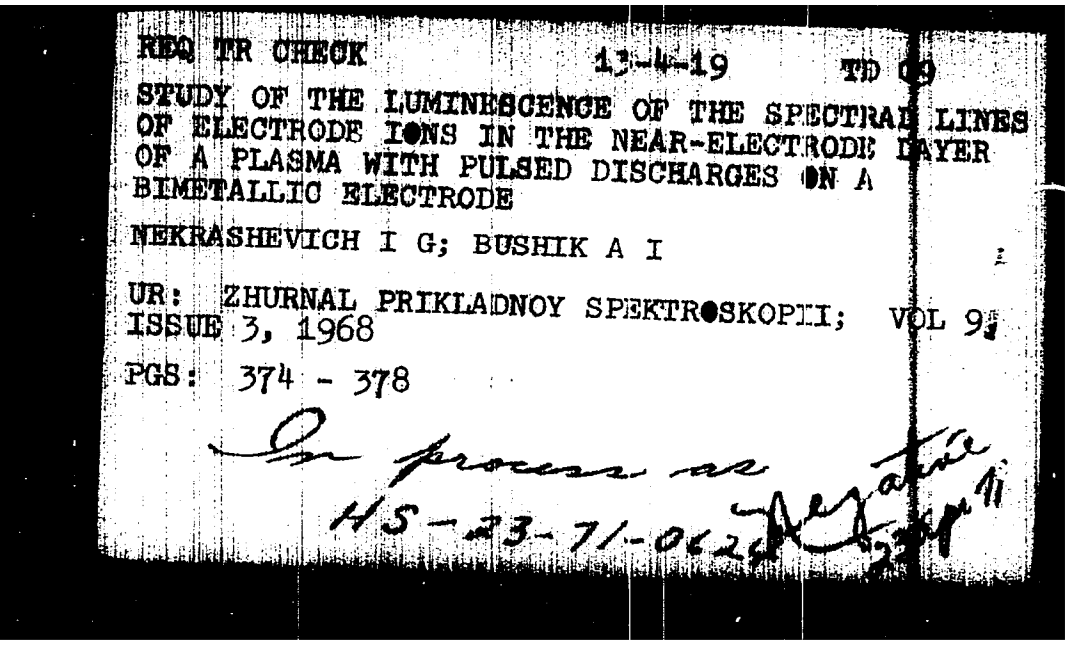

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STUDY OF THE LUMINESCENCE OF THE SPECTRAL LINES OF ELECTRODE IONS IN THE NEAR-ELECTRODE LAYER OF A PLASMA WITH PULSED DISCHARGES ON A BIMETALLIC ELECTRODE

NEKRASHEVICH I G; BUSHIK A I

UR: ZHURNAL PRIKLADNOY SPEKTROSKOPII; VOL 9; ISSUE 3, 1968

PGS: 374 - 378

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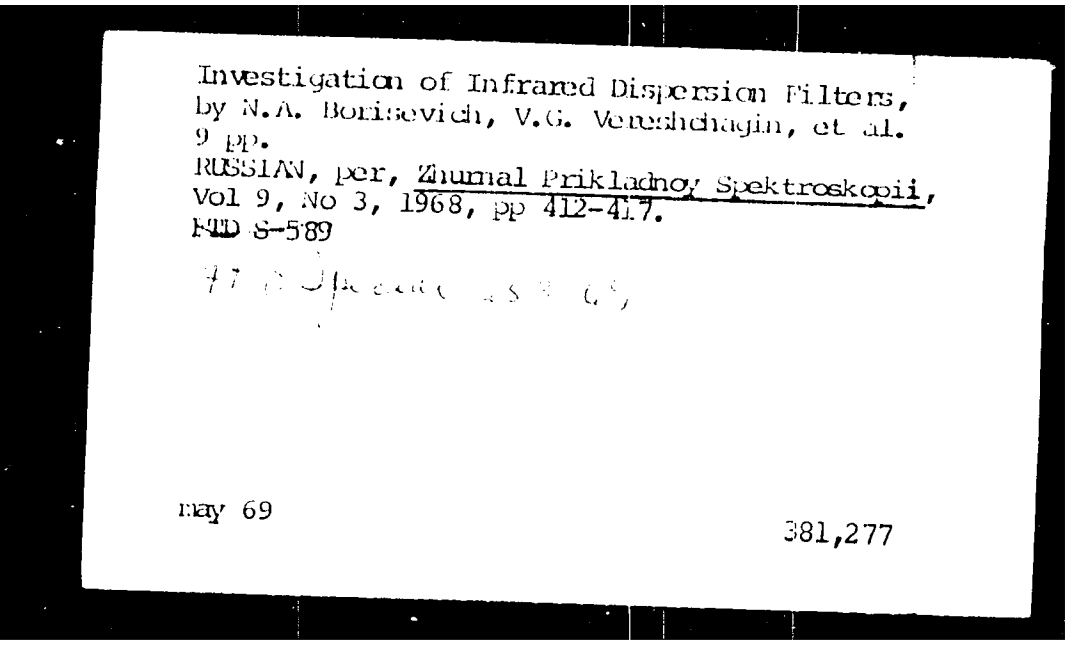

Investigation of Infrared Dispersion Filters,
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9 pp.
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FTD S-589

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may 69

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Shortening of Giant Pulses by Stimulated Brillouin Scattering, by F. A. Korolev, et al.
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Thermal Sensor for the Study of Field Intensity Distribution in an IR Laser Resonator, by Ye. T. Antropov, et al.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii, Vol 9, No 3, 1968, pp 531-532.
FTD HT Special 365-69

oct 69

393,091

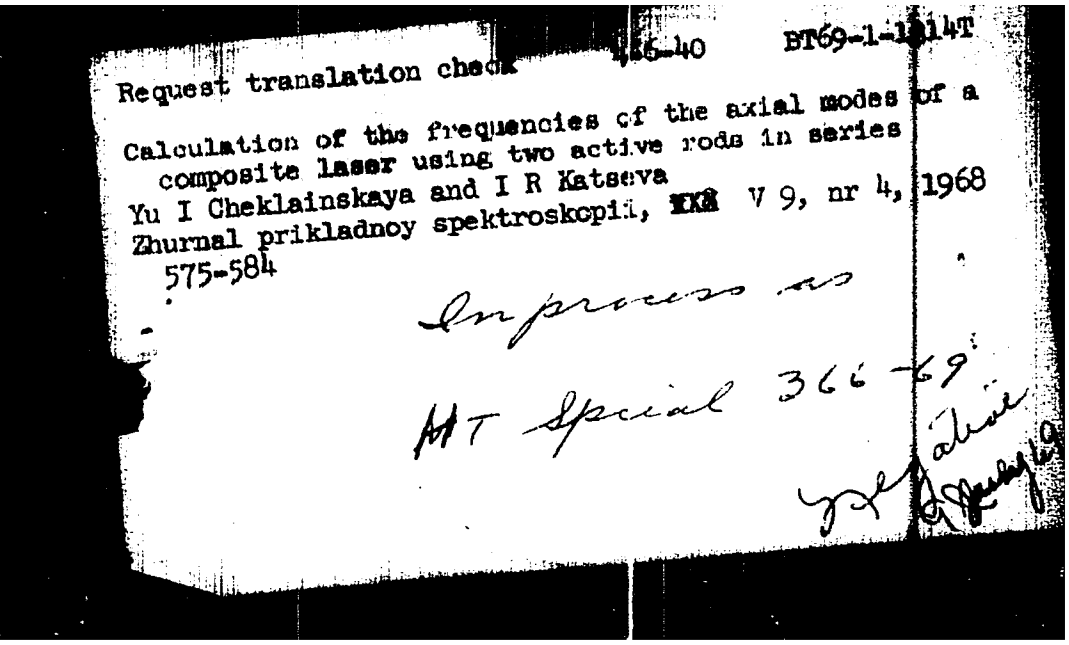
APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

[illegible] ELECTRICAL DISCHARGE

NEKRASHEVICH I G; BUSHIK A I

SO: ZHURNAL PRIKLADNOY SPEKTROSKOPII,
VOL 9, ISSUE 4, 1968

PGS: 571 - 574



Request translation check 46-40 BT69-1-1014T

Calculation of the frequencies of the axial modes of a composite laser using two active rods in series

Yu I Cheklainskaya and I R Katseva

Zhurnal prikladnoy spektroskopii, ~~XXX~~ V 9, nr 4, 1968 575-584

In process as

MT Special 366-69

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

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Jul 70

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aug 69

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Yu. M. Gryaznov.
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mar 71

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FTD HT Special 501-69

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

Generation of Light by Systems of Liquid Solutions of Organic Dyes During Negative Absorption on Activator Molecules and Induced Combination Scattering on Matrix Molecules, by
Ye. A Tikhonov, 9 pp.
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Continuous Waves Laser on the Basis of $LaNa(MoO_4)_2$-Nd^{3+} Crystals Operation at 300°K, by A. A. Kaminskiy.
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CIA X-6914

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RUSSIAN, per, Zh Prik Spekt Ak Nauk Belorus SSR, Vol 8, No 6, 1968, pp 905-908.
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Request translation check 5-8-10 BT69-11-805T

Use of interference to obtain unpolarized and single-frequency gas laser emission

V V Gruzinskiy, et al

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In process as HT Special 5700-69.

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

Propagation of a Light Pulse ina Semi-infinite Isotropically Scattering Medium, by I. L. Katsev.
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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

Request translation check 5-8-12 BT69-11-810T

Spectral composition of light scattered in self-focusing liquids

M A Bol'shov, et al

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

Miniature High-Speed Spectrometer for the 1.5-6u Infrared Range, by V. K. Goncharov. RUSSIAN, per, Zh Prikl Spekt, Vol 9, No 6, 1968, pp 1065-1069.
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Mar 69

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Propagation of Modulated Light Radiation in a Semi-Infinite Isotropic Scattering Medium, by I. L. Katsev.
RUSSIAN, per, Zh Prik Spektr, Vol 10, No 1, 1969, pp 120-125.
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Aug 69

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

Effective Absorption Cross-Section of Ultraviolet Radiation by Molecular Oxygen at 3000-10000°K Temperatures, by S. A. Losev.
RUSSIAN, per, Zh Prik Spekt, Vol 10, No 2, 1969, pp 229-232.
CIA X-7015

May 69

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

Residence Time of Particles Blown Into Spark Discharge Plasma in Excitation Zone, by A. M. Oleynik.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopiy,
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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

Electronic Spectra of Rare-Earth Metal Fluorides, Oxyfluorides and Oxides, by S. S. Batsanov.
RUSSIAN, per, Zh Prik Spekt, Vol 10, No 2, 1969, pp 332-336.
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May 69

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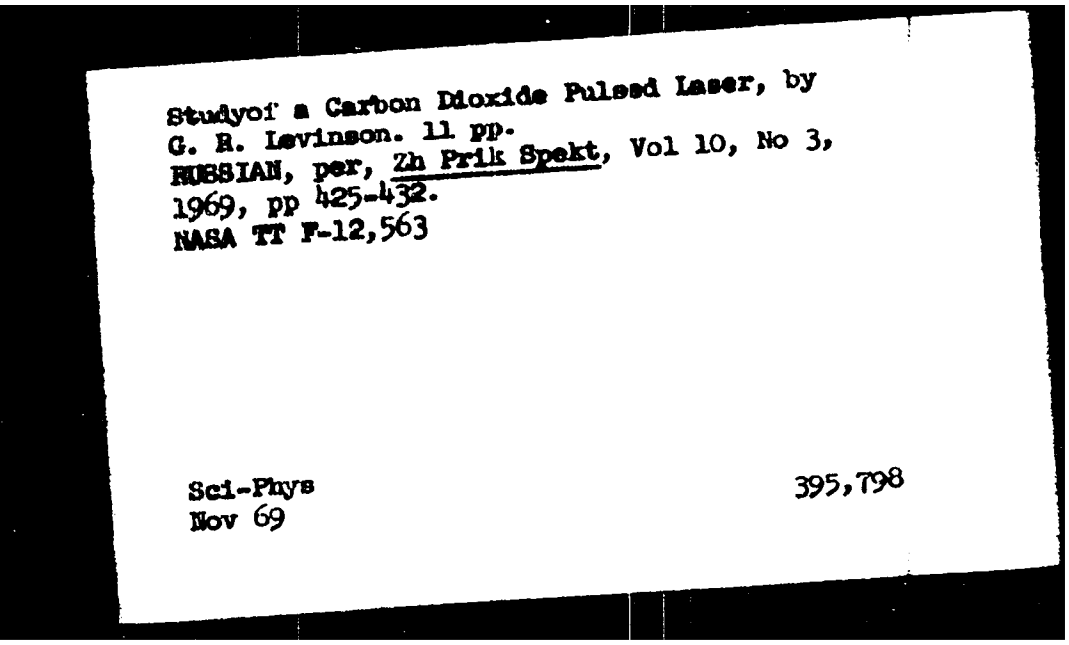
APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9



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NASA TT F-12,563

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

Development Time and Spectral Width of a Single Pulse From a Laser With a Saturable Adsorber, by L. A. Kotomtseva, A. M. Samson.
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The Problem of Determining CH Sub 3 Group Content in Ethylene Propylene Copolymers by IR Spectroscopy, by V. P. Popov, A. P. Duvanova. 6 pp. RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii, Vol 10, No 3, 1969, pp 494-497.
AIR/FTD/MT-23-95-70

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[illegible]ffect of Para-Substitutes [illegible] Infrared
Spectrum of [illegible], [illegible]
V. [illegible]. [illegible]avshova.
RUSSIA[illegible], per, <u>Zhurnal Prikladnoi</u>
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[illegible]

[illegible]

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

K. K. Pryadkin

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Spectroanalytic Characteristics of Plasma Obtained Using a Laser in the Regular and Quasi-Stationary Generation Modes, by
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Vol 11, No 1, 1969, pp 13-19.
NASA TT F-13,044

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Propagation of Light Beams in Inhomogeneous Anisotropic Media..
By N. A. Gusak, A. M. Goncharenko
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CIA X-7126

Dec 69

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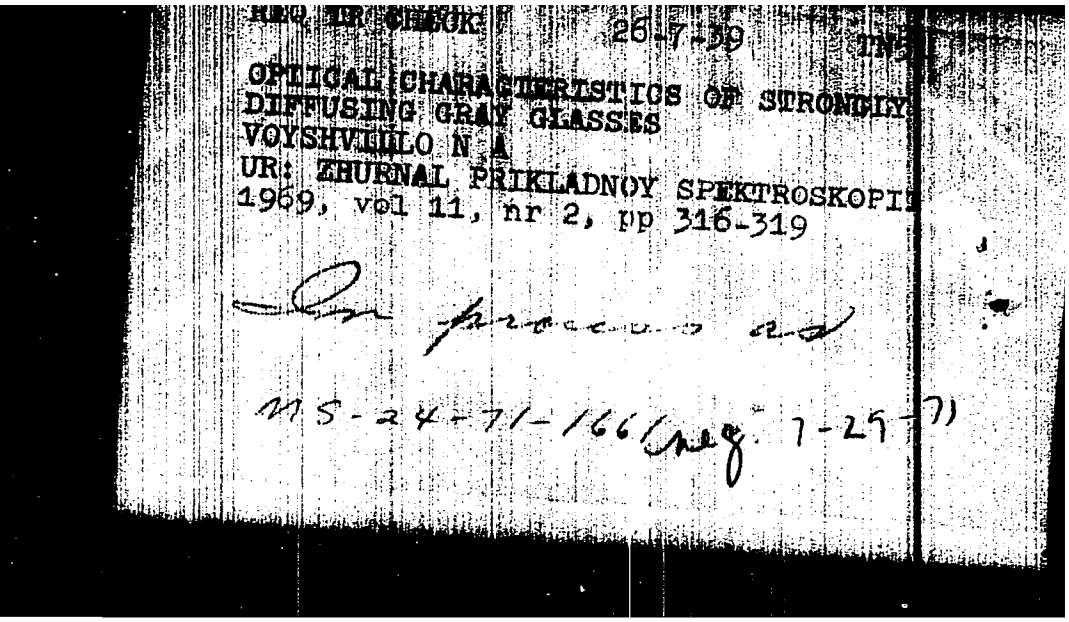
APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9



REQ. TR CHECK 26-7-39 INS

OPTICAL CHARACTERISTICS OF STRONGLY DIFFUSING GRAY GLASSES

VOYSHVILLO N.A.

UR: ZHURNAL PRIKLADNOY SPEKTROSKOPII 1969, vol 11, nr 2, pp 316-319

MS-24-71-166(neg. 7-29-71)

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

Working Level Populations in an Argon Laser, by
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Vol 11, No 2, 1969, pp 351-354.
FTD HT Special 359-70

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Destruction of Graphite in a Low-temperature Air Plasma Flow.
By A. B. Karasev, T. V. Kondranin
RUSSIAN, per, Zh. Prikl. Spektr., Vol. 11, No. 3, 1969, pp. 403-407.
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Dec 69

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

N71-12049*# Translation Consultants, Ltd., Arlington, Va.

SOME CHARACTERISTICS OF THE LASER BEAM EROSION OF MATERIALS [NEKOTORYYE OSOBENNOSTI EROZII MATERIALOV PRI VOZDEYSTVII LUCHA NEYA OKO]

O. I. Putrenko et al. Washington NASA Jan. 1970 30 p. refs Transl. into ENGLISH from Zh. Prik. Spektroskopii: Akad. Nauk Belorussk. SSR, Minsk, v. 11, no. 4, Oct. 1969, p. 617-622

(Contract NASw-2038)

(NASA-TT-F-13338) Avail: NTIS CSCL 20E

Space distribution of condensed matter ejected from metals subjected to laser radiation erosion was investigated to improve spectral analysis sources with simultaneous use of electrical discharge. Laser pulse energy was 7 j, and the light was zoned by means of a lens. Angular distribution of matter ejected was measured for Cu alloys, Zn, Fe, Fe-Si, Pb, Sn, Al, Mo, and W condensed on a glass plate situated perpendicularly to the laser beam. Maximum density of the condensed material and the angular position of this maximum were plotted as a function of the melting point of the material. Chemical composition of the sample corresponds to that of the ejected material. An arrangement of electrodes for spectral analysis carried out during simultaneous laser function and discharge was proposed. Author

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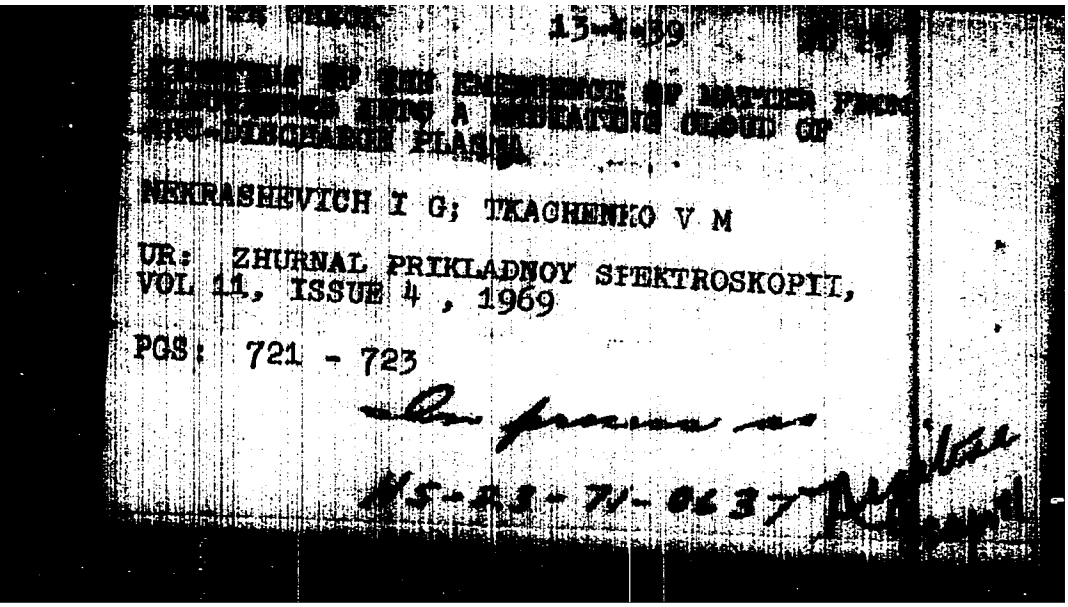

13-4-69

NEKRASHEVICH I G; TKACHENKO V M

UR: ZHURNAL PRIKLADNOY SPEKTROSKOPII, VOL 11, ISSUE 4 , 1969

PGS: 721 - 723

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080060-9

Infrared Radiation of a Discharge Applicable to a Carbon Dioxide Laser, by Ye. N. Lotkova, V. N. Ochkin.
RUSSIAN, per, Zhurnal Prikladnoy Spektrosk, Vol 11, No 4, 1969, pp 739-741.
FTD HT Special 258-70

Sci-Phys
Sep 70

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