ACC NR: AR7004300 SOURCE CODE: UR/0271/66/000/011/A007/A007

AUTHOR: Rusin, P. I.; Shapkin, V. M.; Pustovoyt, V. N.

TITLE: TVCh-photorelay designed with semiconductor elements

SOURCE: Ref. zh. Avtomat. telemekh. i vychisl. tekhn., Abs. 11A56

REF SOURCE: Sb. Avtomatiz. kontrolya tekhnol. protsessov sel'khozmashinostr. Rostov-na-Donu, 1965, 18-21

TOPIC TAGS: automatic control, photorelay, photocontroller, heat treating furnace, photodiode, transistorized amplifier

ABSTRACT: Application of a Ge photodiode having a small inertia (10^{-6} sec) as a sensor in hf-heating systems is considered. A principal circuit for controlling hf oscillator is shown. A photodiode connected to a bridge circuit feeds into a 2-stage transistorized amplifier to whose output the winding of a polarized relay is connected. The instrument is supplied from ac line via a S-0,09 stabilizer. The instrument is tuned with a temperature lamp. The instrument ensures automatic control of thermal treatment of parts and permits improving their quality. One figure. Bibliography of 6 titles. T. R. [Translation of abstract]

SUB CODE: 09, 13

Card 1/1 UDC: 621.318.58

PUSTOVOYT, V.S., akademik

Science and production. Agrobiologiia no.1:3-9 Ja-F '65. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh i efiromaslichnykh kul'tur, Krasnodar.

PUSTOVOYT, V.S., laureat Leninskoy premii

Pay more attention to sunflowers. Zemledelie 23 no.6:13-15 Je '61. (MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh i efiromaslichnykh kul'tur. Deystvitel'nyy chlen-akademik Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V. I. Lenina. (Sunflowers)

PUSTOVOYT, V.S., akademik; PUSTOVOYT, G.V., nauchnyy sotrudnik

Breeding sunflower for resistance to broomrape. Zashch. rast. ot vred. i bol. 8 no.4:15-17 Ap '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh i efiromaslichnykh kul'tur, Krasnodar. 2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni Lenina (for V.S. Pustovoyt).
(Broomrate) (Sunflower breeding)

USSR / Cultivated Plants. Commercial, Oleaceous, Sugar Bearing. M-4

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6346

Author : Pustovoyt, V. S.
Inst : All-Union Scient.-Res. Institute of Oleaceous and Essential Oil Crops
Title : Selection and Seed Cultivation of Sunflowers

Orig Pub : V sb.: Kratkiy otchet o nauchno-izsled. rabote Vses. in-ta maslichn. i efiro-maslichn. kul'tur za 1956 g. Krasnodar, "Sov. Kuban'", 1957, 9-20

Abstract : The sunflower varieties number 15659, 15636 and others selected by the Institute took first place in the competitive variety trial in 1956 (city of Krasnodar). Oiliness had been calculated in absolutely dry seeds. The variety

Card 1/2

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6346

number 16652 produced more oil than the best competitive varieties during the preliminary variety tests. Early ripening varieties with a high degree of oiliness were sorted out in the first year nursery. The oiliness calculated on absolutely dry seeds reached 52 - 53.6% in some high yielding numbers. In 1956 certain numbers of intervariety hybrids proved themselves to be resistant to rust in addition to being highly productive. -- O. P. Plyusnina