























- The technical problem being solved by the invention: Instability during zero crossing, delay circuit is used in phase detector to bring stability.
- A one-line statement about the invention : The circuit for the phase detection with delay circuit.
- Keywords /elements – Phase detector, delay circuit, voltage.
- Functional features – Zener diode, Capacitor, Transistor.
- Synonyms – Frequency detector, diode transistor circuits.
- Search strategy along with results obtained in each search query. --- See from next page.
- Results arrived at along with the kind code
D1- <http://www.theorycircuit.com/time-delay-relay/> ,
D2- https://www.electronics-tutorials.ws/logic/logic_1.html
D3:- US20170366036A1

Database - Google

<input type="checkbox"/>	11:31 AM		Diode-Transistor Logic (DTL) - www.eesemi.com
<input type="checkbox"/>	11:30 AM		Diode Transistor Logic Gate - Electronics Tutorials - electronicspani.com
<input type="checkbox"/>	11:30 AM		Diode-Transistor circuit not logic - Google Search - www.google.com
<input type="checkbox"/>	11:29 AM		Digital Logic Gate Tutorial - Basic Logic Gates - www.electronics-tutorials.wa
<input type="checkbox"/>	11:29 AM		diode with input transistor logic - Google Search - www.google.com
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<input type="checkbox"/>	12:51 PM		Diode Clamping Circuit-Positive and Negative Clamper,circuit,Waveform - www.circuitstoday.com
<input type="checkbox"/>	12:50 PM		phase detector circuit digital output - Google Search - www.google.com
<input type="checkbox"/>	12:50 PM		on and off switch with transistor for phase - Google Search - www.google.com
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11:41 AM	delay circuit phase detector zener diode - Google Search	www.google.com	2
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11:40 AM	delay circuit phase detector - Google Search	www.google.com	2
11:35 AM	delay circuit zener diode capacitor - Google Search	www.google.com	2
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11:35 AM	delay circuit zener diode - Google Search	www.google.com	2

Database – Totalpatentone.

This report contains information on the search queries executed by urn:user:PA185781031 between 08/20/2019 11:50 and 08/21/2019 11:09. The report contains 11 query(ies) based on the selection made on the history page. The report was generated on 08/21/2019 12:41.

Keep in mind: as our database is constantly updated, executing a query specified in this report at a later stage may lead to additional results.

Query name

Q20190820_1

Date conducted

08/20/2019 11:50

Result

2

Query

FT:((delay near3 circuit) (phase near3 detector) (zener%diode))

Search Language

eng

Authority

All

Query name

Q20190820_2

Date conducted

08/20/2019 11:55

Result

1

Query

FT:((phase near3 detector) (zener%diode)) CPC:(H03H11/26)

Search Language

eng

Authority

All

Query name

Q20190820_3

Date conducted

08/20/2019 11:55

Result

1

Query

FT:((zener%diode)) CPC:(H03H11/26)

Search Language

eng

Authority

All

Query name

Q20190820_4

Date conducted

08/20/2019 11:56

Result

26

Query

FT:((zener near4 diode)) CPC:(H03H11/26)

Search Language

eng

Authority

All

Query name

Q20190820_5

Date conducted

08/20/2019 12:09

Result

10

Query

CPC:(H03H11/26 H03L7/00+)

Search Language

eng

Authority

All

Query name

Q20190820_6

Date conducted

08/20/2019 12:11

Result

1

Query

CPC:(H03H11/26) Ft:(zener%diode)

Search Language

eng

Authority

All

Query name
Q20190820_7
Date conducted
08/20/2019 12:20
Result
783
Query
CPC:(H03L7/089)
Search Language
eng
Authority
All

Query name
Q20190821_1
Date conducted
08/21/2019 11:08
Result
0
Query
CPC:(H03L7/089) Ft:((Phase near5 detector) zener%diode)
Search Language
eng
Authority
All

Query name
Q20190821_2
Date conducted
08/21/2019 11:09
Result
0
Query
CPC:(H03L7/089) Ft:((Phase near5 detector) zener%diode and delay)
Search Language
eng
Authority
All

Query name
Q20190821_3
Date conducted
08/21/2019 11:09
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510
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CPC:(H03L7/089) Ft:((Phase near5 detector) and delay)
Search Language
eng
Authority
All

Query name
Q20190821_4
Date conducted
08/21/2019 11:09

Result

2

Query

CPC:(H03L7/089) Ft:((Phase near5 detector) and delay%circuit)