



Search History (app. 17493793)

Report Run Date: 2023-10-19 UTC

Searches: 23

Markers: 0

Search #	Timestamp	Results	Page
1	2023-10-12 20:29 UTC	~74,520,336	3
2	2023-10-12 20:29 UTC	~74,520,369	3
3	2023-10-12 20:30 UTC	~68,368,006	4
4	2023-10-12 20:34 UTC	~4,002,604	4
5	2023-10-12 20:39 UTC	~2,428,530	4
6	2023-10-12 20:58 UTC	~2,179,767	4
7	2023-10-12 20:58 UTC	~56,598,613	5
8	2023-10-12 20:59 UTC	~56,928,740	5
9	2023-10-12 21:02 UTC	~13,789,594	5
10	2023-10-13 19:48 UTC	~37,812,875	5
11	2023-10-13 19:50 UTC	~26,852,075	5
12	2023-10-13 19:53 UTC	~29,466,269	6
13	2023-10-16 14:55 UTC	~29,489,607	6
14	2023-10-19 15:27 UTC	~1,125,505	6
15	2023-10-19 15:28 UTC	~13,886,031	6
16	2023-10-19 15:43 UTC	~43,347,111	7
17	2023-10-19 16:12 UTC	~20,437,962	7
18	2023-10-19 16:34 UTC	~17,078,291	7
19	2023-10-19 16:52 UTC	~21,577,791	7
20	2023-10-19 17:32 UTC	~39,253,227	7
21	2023-10-19 18:08 UTC	~39,253,353	8
22	2023-10-19 18:10 UTC	~8,923,157	8
23	2023-10-19 18:11 UTC	~68,738,491	8



Content: Patent Publications (169)

US Patents | US Designs | US Applications | EPO Patents | EPO Applications | China Patents | China Applications | Japan Patents | Japan Applications | Korea Patents | Korea Applications | WIPO Applications | Argentina Patents | Argentina Applications | Brazil Patents | Brazil Applications | Canada Patents | Canada Applications | Chile Patents | Chile Applications | Colombia Applications | Costa Rica Applications | Cuba Patents | Cuba Applications | Dominican Republic Applications | Ecuador Patents | Ecuador Applications | El Salvador Applications | Guatemala Applications | Honduras Applications | Mexico Patents | Mexico Applications | Nicaragua Patents | Panama Applications | Peru Applications | Trinidad & Tobago Patents | Uruguay Applications | Austria Patents | Austria Applications | Belarus Patents | Belgium Patents | Belgium Applications | Bosnia & Herzegovina Patents | Bosnia & Herzegovina Applications | Bulgaria Patents | Bulgaria Applications | Croatia Patents | Croatia Applications | Czech Republic Patents | Czech Republic Applications | Czechoslovakia Patents | Czechoslovakia Applications | Denmark Patents | Denmark Applications | Estonia Patents | Estonia Applications | EUIPO Patents | Finland Patents | Finland Applications | France Patents | France Applications | Germany Patents | Germany Applications | Great Britain Patents | Great Britain Applications | Greece Patents | Greece Applications | Hungary Patents | Hungary Applications | Iceland Patents | Iceland Applications | Ireland Patents | Ireland Applications | Italy Patents | Italy Applications | Latvia Patents | Latvia Applications | Lithuania Patents | Lithuania Applications | Luxembourg Patents | Luxembourg Applications | Malta Patents | Monaco Patents | Montenegro Patents | Montenegro Applications | Netherlands Patents | Netherlands Applications | Norway Patents | Norway Applications | Poland Patents | Poland Applications | Portugal Patents | Portugal Applications | Republic of Moldova Patents | Republic of Moldova Applications | Romania Patents | Romania Applications | San Marino Patents | San Marino Applications | Serbia Patents | Serbia Applications | Slovakia Patents | Slovakia Applications | Slovenia Patents | Spain Patents | Spain Applications | Sweden Patents | Sweden Applications | Switzerland Patents | Switzerland Applications | Ukraine Patents | Yugoslavia/Serbia and Montenegro Patents | Yugoslavia/Serbia and Montenegro Applications | Armenia Patents | Australia Patents | Australia Applications | Cyprus Patents | Gulf Cooperation Council Patents | Hong Kong Patents | India Patents | India Applications | Indonesia Patents | Indonesia Applications | Israel Patents | Israel Applications | Jordan Patents | Jordan Applications | Kyrgyzstan Patents | Macao Applications | Malaysia Patents | Mongolia Patents | New Zealand Patents | Philippines Patents | Philippines Applications | Saudi Arabia Patents | Saudi Arabia Applications | Singapore Patents | Singapore Applications | Taiwan Patents | Taiwan Applications | Tajikistan Patents | Tajikistan Applications | Thailand Patents | Thailand Applications | Uzbekistan Patents | Vietnam Patents | Algeria Patents | ARIPO Patents | ARIPO Applications | Egypt Patents | Kenya Patents | Malawi Patents | Morocco Patents | Morocco Applications | OAPI Patents | South Africa Patents | Tunisia Applications | Zambia Patents | Zimbabwe Patents | EAPO Patents | EAPO Applications | Georgia Patents | Georgia Applications | Kazakhstan Patents | Kazakhstan Applications | Russia Patents | Russia Applications | Turkey Patents | Turkey Applications

1 2023-10-12 20:29 UTC | ~74,520,336 results from

De-Dup: Simple Family Numbers | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Document

US20230106822 Implement-on-ground detection using vibration signals ([view](#))

Concept Modifiers: None

Filters: None

2 2023-10-12 20:29 UTC | ~74,520,369 results from

De-Dup: Simple Family Numbers | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: [Same as Search 1](#)

Concept Modifiers (1):

[1. Less Like Text:](#) Caterpillar

Filters: None

3 2023-10-12 20:30 UTC | ~68,368,006 results from 

De-Dup: Simple Family Numbers | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: [Same as Search 1](#)

Concept Modifiers: [Same as Search 2](#)

Filters (1):

[Earliest Priority Date:](#) To 2021-10-04

4 2023-10-12 20:34 UTC | ~4,002,604 results from 

De-Dup: Simple Family Numbers | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: [Same as Search 1](#)

Concept Modifiers (2):

[2. More Like Text:](#) time period

[1. Less Like Text:](#) Caterpillar

Filters: [Same as Search 3](#)

5 2023-10-12 20:39 UTC | ~2,428,530 results from 

De-Dup: Simple Family Numbers | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: [Same as Search 1](#)

Concept Modifiers (3):

[3. More Like Text:](#) implement

[2. More Like Text:](#) time period

[1. Less Like Text:](#) Caterpillar

Filters: [Same as Search 3](#)

6 2023-10-12 20:58 UTC | ~2,179,767 results from 

De-Dup: Simple Family Numbers | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text

determining a period during which an implement of a construction machine is interacting with a ground surface. A vibration signal that is indicative of a movement of the implement is captured. One or more features are extracted from the vibration signal. The one or more features are provided to a machine-learning model to generate a model output. An implement-on-ground (JOG) start time and an JOG end time are predicted based on the model output, the JOG start time and the JOG end time forming the period

Concept Modifiers: [Same as Search 5](#)

Filters: [Same as Search 3](#)

7 2023-10-12 20:58 UTC | ~56,598,613 results from 

De-Dup: Simple Family Numbers | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: [Same as Search 6](#)

Concept Modifiers: [Same as Search 2](#)

Filters: [Same as Search 3](#)

8 2023-10-12 20:59 UTC | ~56,928,740 results from 

De-Dup: Simple Family Numbers | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text

determining a period during which an implement of a construction machine is interacting with a ground surface. A vibration signal that is indicative of a movement of the implement is captured. One or more features are extracted from the vibration signal. The one or more features are provided to a machine-learning model to generate a model output. An implement-on-ground (IOG) start time and an IOG end time are predicted based on the model output, the IOG start time and the IOG end time forming the period

Concept Modifiers: [Same as Search 2](#)

Filters: [Same as Search 3](#)

9 2023-10-12 21:02 UTC | ~13,789,594 results from 

De-Dup: Simple Family Numbers | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text

determining a time period during which an implement of a construction machine is interacting with a ground surface

Concept Modifiers: [Same as Search 2](#)

Filters: [Same as Search 3](#)

10 2023-10-13 19:48 UTC | ~37,812,875 results from 

De-Dup: Simple Family Numbers | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text

determining how much time a farm implement is in the ground based on vibration signals obtained by a sensor

Concept Modifiers: [Same as Search 2](#)

Filters: [Same as Search 3](#)

11 2023-10-13 19:50 UTC | ~26,852,075 results from 

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