Federal Institute of Industrial Property (FIPS) is included in the organisational framework of the Federal Service for Intellectual Property (Rospatent).

English version is not identical with the Russian website.

Click here to access Official bulletins

FIPS - RETRIEVING OFFICIAL PUBLICATIONS

Click here to go to the search interface of Official bulletins for patent and utility models publications

Since January 1, 2014 in accordance with the Regulations on official publications of Rospatent there will be published under this section the first official publication of data on applications for patent for invention, issued patents for invention, utility models, Industrial designs, registered trademarks, service marks, appellations of origin and grant of exclusive rights thereto, registered computer programs, databases and topographies of integrated circuits.

The official publications also include:
- International Classifications
  - International Patent Classification (IPC)
  - International Classification of Industrial Designs (ICID)
  - International Classification of Goods and Services (ICGS)
- Full Specifications to patents of the Russian Federation and First page information for Utility models of the Russian Federation are contained in the Official Bulletin Inventions, Utility models

https://new.fips.ru/publication-web/?lang=en
NUMBER FORMATS

(application numbers from 2000 onwards)

\[ \text{yyyynnnnnn} \]

• four digits for the year (y)
• six digits for the serial number (n)
• example: 2014112305
• application number = publication number + kind code A

(application numbers between 1992 and 2000)

\[ \text{yynnnnnnnn} \]

• two digits for the year (y)
• six digits for the serial number (n)
• example: 99128101
• application number = publication number + kind code A
NUMBER FORMATS

(patent numbers)

nnnnnnnn

• up to seven digits for the serial number (n)
• kind code: C1 or C2
• example: 2569884
Enter the patent document number without country code, kind code and any spaces.

For publications of granted patents choose Inventions.

For publications of granted patents choose Patents.

Run the search.
FIELD: nozzles and pumps.

SUBSTANCES: group of inventions belongs to the field of aircraft engine building. Oil agitator comprises a spraying pump in the body and a discharge pump with a common drive and driven shaft provided with a safety valve. On the shafts, two pairs of gear-disengaged impellers of the corresponding groups are installed with a controlled oil supply with a pressure provided to the gear mesh of the gears and volumetric displacement of the impeller medium from the internal cavities of the impeller. On the shafts, the impeller transmits the rotational energy to the driven impeller located in the gear engagement with it, which is mounted on the second driven shaft of the impeller. As the same time, the driven impeller of the oil is provided with a driven impeller of the discharge pump, which is fixedly mounted on the shaft. Second shaft of the discharge pump with a fixed impeller located on the shaft receives the torque from the first shaft through the gear wheel of the impeller impeller and transmits to the driven wheel engaged in the gear wheel with the driven impeller. 

The invention relates to the construction and operation of devices for spraying fuel in the engine, in particular: (1) to improve the efficiency of fuel division; (2) to improve the reliability of the device; (3) to reduce the cost of operation.

The device includes a spraying pump, a discharge pump, and a common drive. The spraying pump is designed to ensure a uniform distribution of fuel over the surface of the engine. The discharge pump is designed to transfer the fuel from the spraying pump to the engine. The common drive ensures the rotation of both pumps with a common shaft. The safety valve is installed to protect the device from overloading.

The device is designed for operation in aviation engines, ensuring efficient and reliable fuel division.

SUBSTANCES: group of inventions belongs to the field of aircraft engine building. Oil agitator comprises a spraying pump in the body and a discharge pump with a common drive and driven shaft provided with a safety valve. On the shafts, two pairs of gear-disengaged impellers of the corresponding groups are installed with a controlled oil supply with a pressure provided to the gear mesh of the gears and volumetric displacement of the impeller medium from the internal cavities of the impeller. On the shafts, the impeller transmits the rotational energy to the driven impeller located in the gear engagement with it, which is mounted on the second driven shaft of the impeller. As the same time, the driven impeller of the oil is provided with a driven impeller of the discharge pump, which is fixedly mounted on the shaft. Second shaft of the discharge pump with a fixed impeller located on the shaft receives the torque from the first shaft through the gear wheel of the impeller impeller and transmits to the driven wheel engaged in the gear wheel with the driven impeller. 

The invention relates to the construction and operation of devices for spraying fuel in the engine, in particular: (1) to improve the efficiency of fuel division; (2) to improve the reliability of the device; (3) to reduce the cost of operation.

The device includes a spraying pump, a discharge pump, and a common drive. The spraying pump is designed to ensure a uniform distribution of fuel over the surface of the engine. The discharge pump is designed to transfer the fuel from the spraying pump to the engine. The common drive ensures the rotation of both pumps with a common shaft. The safety valve is installed to protect the device from overloading.

The device is designed for operation in aviation engines, ensuring efficient and reliable fuel division.
RETRIEVING OFFICIAL PUBLICATIONS – APPLICATIONS

Enter the patent application number without country code, kind code and any spaces

Choose Applications as type of object

Choose Applications again as type of document

Run the search

Retrieving legal status information from FIPS's Open Registers
© European Patent Office
(8) изготовлены из разных материалов.
6. Устройство по любому из пп. 1-5, отличающееся тем, что внешняя сторона (12) клавишной панели (9) имеет уступ (15).
7. Устройство по любому из пп. 1-6, отличающееся тем, что клавишная панель (5) в направлении клавишной панели (8) прижимается, по меньшей мере, одним дополнительным отверстием (26) для ввода входящего в клавишную панель (6) стопора шнурка (27), шторы и т.п.
8. Устройство по любому из пп. 1-7, отличающееся тем, что клавиша (7) имеет L-обратное сечение, причем полка (31) граничит с держателем (8), а полка (32) прижимает ободо к периферийной стороне (9) стекла (2).
9. Устройство по любому из пп. 1-8, отличающееся тем, что клавиша (7) имеет на своей противоположной стороне (8) стороне, по меньшей мере, одним фокусирующим выступ (33) для фиксации предохранителя (22) от падения, схватывающегося стекло (2) сверху в его краевой зоне (23).
10. Устройство по любому из пп. 1-9, отличающееся тем, что клавиша (7) имеет выпиления в стекле (28) из материала, отличающегося от материала коелки (7), для прилегания к периферийной стороне (9) стекла (2).

Bibliographic data in Russian only
followed by claims in Russian only
claims in Russian only, no full text available for published applications
For further questions and assistance with retrieving Russian or Asian patent information in general please contact us at asiainfo@epo.org.