

Quizzes

esp@cenet

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Questions

QUIZ NO. 1

Who and what first circled the Eiffel Tower in the air and when?

What was the name of the prize at stake?

What is the most appropriate ECLA classification for this technology?

QUIZ NO. 2

Which French Inventor is credited as the pioneer of photography and cinematographie?

How many of his patents can you find in *esp@cenet*?

QUIZ NO. 3

Tuberculosis is a common and deadly infectious disease caused by mycobacteria. What was the first antibiotic to be isolated which was effective against this disease?

Who was originally credited with this scientific and medical breakthrough and on the basis of his apparent success, was awarded a Nobel Prize?

Can you find his patent(s) associated with this medical advance?

Who contested the Nobel award and was subsequently recognised and rewarded as co-discoverer?

QUIZ NO. 4

Which American craftsman, inventor, industrialist and philanthropist gave his name to a type of railway sleeping car and subsequently to a company which manufactured and operated such sleeping cars, the name becoming synonymous with luxury travel?

This guy was inducted into the American National Inventors Hall of Fame and one of his patents is specifically mentioned in his induction citation. Which one is it, and can you find it in *esp@cenet*?

In this Hall of Fame citation two other patents from this guy are mentioned. Can you find them?

What is the most recently published patent from the eponymous company that you can find in *esp@cenet*?

Despite being a philanthropist, this guy was not universally liked. What was unusual about his final resting place, and why?

QUIZ NO. 5

Towards the end of the 19th century, a world famous electrical engineer and inventor was granted a patent with the publication number 223898. Which significant invention did this concern, and who filed the patent application? When was the patent granted?

In the year before the grant, the inventor started some extensive tests on what was to become a very successful product and showed that one embodiment of his invention could work for 40 hours uninterrupted. When, exactly did those tests begin?

There were a number of legal actions in Europe and overseas following the grant of the patent. In 1883, in order to avoid similar confrontations with a British competitor who had been awarded a patent earlier, a joint undertaking was set up. What was the name of the new firm?

In *esp@cenet* worldwide you can find 5 patents that were awarded to this new company for improving the invention mentioned in the first paragraph. Which patents are these?

QUIZ NO. 6

At the outset, we told you that there was a common thread running through the quiz answers. Now as quiz No. 6 is the last in the series, the winners will receive a special prize.

Take another look at some things from each of the previous quizzes:

Albert Santos Dumont's flight around the Eiffel Tower (quiz No. 1)

Auguste Lumière (quiz No. 2)

Albert Schatz's isolation of streptomycin (quiz No. 3)

George Mortimer Pullman (quiz No. 4)

Edison's 40-hour light-bulb lifetime test (quiz No. 5)

What does each of these have in common with *esp@cenet*?

Answers

QUIZ NO. 1

Who and what first circled the Eiffel Tower in the air and when?

Alberto Santos Dumont from Brazil. He circled the Eiffel tower in a dirigible airship on 19th October 1901.

What was the name of the prize at stake?

The full name of the prize was the Deutsch de la Meurthe prize

What is the most appropriate ECLA classification for this technology?

Santos Dumont was not just a balloonist he was an aviator and his Eiffel Tower flight was in a dirigible airship (steerable airship, definitely not a balloon) so you should at least have got

B64B1/06 Rigid airships, semi-rigid airships. And what about B64B1/12 moveable control surfaces?

PERFORMING OPERATIONS; TRANSPORTING	B	<input type="checkbox"/>
AIRCRAFT; AVIATION; COSMONAUTICS	B64	<input type="checkbox"/>
LIGHTER-THAN AIR AIRCRAFT	B64B	<input type="checkbox"/>
Lighter-than-air aircraft	B64B1	<input type="checkbox"/>
	B64B1/00	<input type="checkbox"/>
Rigid airships; Semi-rigid airships (B64B1/58 takes precedence)	B64B1/06	<input type="checkbox"/>

PERFORMING OPERATIONS; TRANSPORTING	B	<input type="checkbox"/>
AIRCRAFT; AVIATION; COSMONAUTICS	B64	<input type="checkbox"/>
LIGHTER-THAN AIR AIRCRAFT	B64B	<input type="checkbox"/>
Lighter-than-air aircraft	B64B1	<input type="checkbox"/>
	B64B1/00	<input type="checkbox"/>
Rigid airships; Semi-rigid airships (B64B1/58 takes precedence)	B64B1/06	<input type="checkbox"/>
Movable control surfaces	B64B1/12	<input type="checkbox"/>

QUIZ NO. 2

Which French Inventor is credited as the pioneer of photography and cinematographie?

The brothers Lumière, and in particular Auguste Lumière.

How many of his patents can you find in esp@cenet?

14

1	Procédé de préparation de la thioglycérine sulfonique et de ses dérivés métalliques et métalloïdiques, utilisables comme antiseptiques	in my patents list	<input type="checkbox"/>
	Publication info: FR548343 (A) — 1923-01-12		
2	Procédé d'utilisation des sulfoxyphosphates dans les virages des papiers photographiques	in my patents list	<input type="checkbox"/>
	Publication info: FR507332 (A) — 1920-09-10		
3	Phonograph mit biegsamer Rekordscheibe.	in my patents list	<input type="checkbox"/>
	Publication info: AT16942 (B) — 1904-07-25		
4	Verfahren zur Herstellung einer Phonographenrekordmasse.	in my patents list	<input type="checkbox"/>
	Publication info: AT16941 (B) — 1904-07-25		
5	Apparat zur photographischen Aufnahme und Wiedergabe von Panoramen.	in my patents list	<input type="checkbox"/>
	Publication info: AT13374 (B) — 1903-09-25		
6	Apparat zur photographischen Aufnahme und zur Wiedergabe von Panoramen.	in my patents list	<input type="checkbox"/>
	Publication info: AT9001 (B) — 1902-09-10		
7	Appareil photographique panoramique réversible	in my patents list	<input type="checkbox"/>
	Publication info: CH23746 (A) — 1902-09-15		
8	Carburateur pour moteurs à hydrocarbures liquides	in my patents list	<input type="checkbox"/>
	Publication info: CH21064 (A) — 1901-05-15		
9	Dispositif pour l'obtention et la projection des images chronophotographiques	in my patents list	<input type="checkbox"/>
	Publication info: CH17261 (A) — 1899-05-15		
10	Cinématoscope à vision directe des épreuves chronophotographiques	in my patents list	<input type="checkbox"/>
	Publication info: CH13042 (A) — 1897-03-31		
11	Mécanisme servant à l'obtention et à la vision des épreuves chrono-photographiques	in my patents list	<input type="checkbox"/>
	Publication info: CH10034 (A) — 1895-10-15		
12	An Improved Hair Dye.	in my patents list	<input type="checkbox"/>
	Publication info: GB189421336 (A) — 1894-12-08		
13	Fotografisk Apparat til at tage og for en Iagttaget at fremstille Panoramabilleder.	in my patents list	<input type="checkbox"/>
	Publication info: DK4838 (C) — 1902-06-16		
14	Apparat til direkte Betragtning af kronofotografiske Billeder.	in my patents list	<input type="checkbox"/>
	Publication info: DK1322 (C) — 1897-11-08		

QUIZ NO. 3

Tuberculosis is a common and deadly infectious disease caused by mycobacteria. What was the first antibiotic to be isolated which was effective against this disease?

The first effective antibiotic against tuberculosis was streptomycin. The keyword here is effective, meaning useful or beneficial. There were indeed other antibiotics around which killed the infection, but they unfortunately had the same effect on the patients too.

Who was originally credited with this scientific and medical breakthrough and on the basis of his apparent success, was awarded a Nobel Prize?

It was Dr Selman Waksman who was originally credited with the discovery of streptomycin and awarded the Nobel prize for medicine.

Can you find his patent(s) associated with this medical advance?

As far as the most relevant patent is concerned, we were looking for US2449866:

Streptomycin and process of preparation

Bibliographic data	Description	Claims	Mosaics	Original document	INPADOC legal status
Publication number: US2449866 (A) Publication date: 1948-09-21 Inventor(s): WAKSMAN SELMAN A; ALBERT SCHATZ Applicant(s): RUTGERS RES AND ENDOWMENT FOUN Classification: - International: - European: Application number: US19450577136 19450209 Priority number(s): US19450577136 19450209 View INPADOC patent family View list of citing documents Report a data error here					
			Cited documents: <input type="checkbox"/> US2326986 (A) <input type="checkbox"/> US2378876 (A) <input type="checkbox"/> US2121064 (A)		

Who contested the Nobel award and was subsequently recognised and rewarded as co-discoverer?

The person who contested the award was Waksman's student, Albert Schatz. He

was the one who actually isolated streptomycin, and he was subsequently recognised and rewarded as its co-discoverer.

QUIZ NO. 4

Which American craftsman, inventor, industrialist and philanthropist gave his name to a type of railway sleeping car and subsequently to a company which manufactured and operated such sleeping cars, the name becoming synonymous with luxury travel?

George Mortimer Pullman

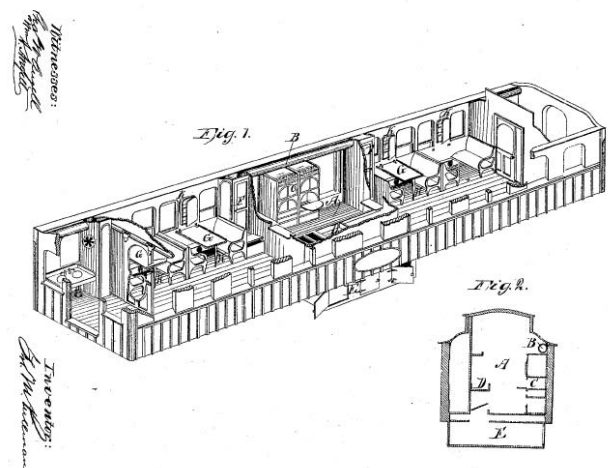
This guy was inducted into the American National Inventors Hall of Fame and one of his patents is specifically mentioned in his induction citation. Which one is it, and can you find it in esp@cenet?

US42182

In this Hall of Fame citation two other patents from this guy are mentioned. Can you find them?

Improved dining car for railways (US 89537)

Hotel car for railways (US 89538)



What is the most recently published patent from the eponymous company that you can find in esp@cenet?

This question was also a bit difficult for us - not because we could not find the relevant document, but because the database is dynamic and it depends on which document you consider as relevant.

We asked you to find the most recently published patent from the company which was named after Pullman. We had to take a position on this, and given the deadline we set and the fact that the database was updated during that deadline period, we decided that the document we were really looking for was:

US 4771705 (1988-09-20)

But also WO2008085832 (2008-07-17) crept into the database between the posting of the quiz and us picking out the winners - so we had to allow that one as well.

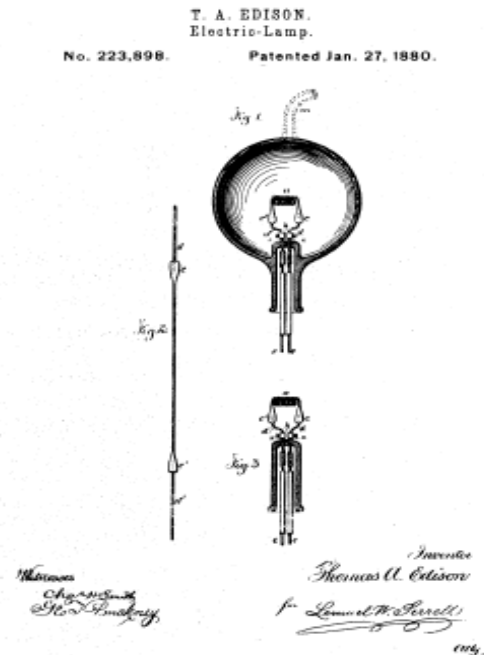
Despite being a philanthropist, this guy was not universally liked. What was unusual about his final resting place, and why?

He was buried in Graceland Cemetery at night in a lead-lined coffin within an elaborately reinforced steel-and-concrete vault. Several tons of cement were poured to prevent his body from being exhumed and desecrated by labour activists.

QUIZ NO. 5

Towards the end of the 19th century, a world famous electrical engineer and inventor was granted a patent with the publication number 223898. Which significant invention did this concern, and who filed the patent application? When was the patent granted?

The world famous electrical engineer and inventor we were looking for was indeed Thomas Alva Edison, who filed the patent US223898 for his incandescent electric lamp. The patent was granted on 27 January 1880.



In the year before the grant, the inventor started some extensive tests on what was to become a very successful product and showed that one embodiment of his invention could work for 40 hours uninterrupted. When, exactly did those tests begin?

Things got a bit more complicated with the second question where we wanted to know when exactly Edison started testing the lifetime of the light bulb. Our sources (e.g. Museum für Energiegeschichte in Hanover) say 19 October 1879. Other sources reckon it was 21 or 22 October. 19 October is the only correct answer as far as we are concerned (sorry about that ... editor's decision ... etc., etc.).

There were a number of legal actions in Europe and overseas following the grant of the patent. In 1883, in order to

avoid similar confrontations with a British competitor who had been awarded a patent earlier, a joint undertaking was set up. What was the name of the new firm?

The joint company founded by Edison was the Edison & Swan United Electric Light Company, also called Ediswan.

In *esp@cenet* worldwide you can find 5 patents that were awarded to this new company for improving the invention mentioned in the first paragraph. Which patents are these?

You can find a lot of patents awarded to Ediswan in *esp@cenet*, but only a few have anything to do with Edison's first electric lamp. A couple of others related to this invention were granted to the United Electric Light Company. So, altogether, six patents fulfil both criteria:

GB189524166	GB189407530
GB189410590	GB189522337
GB190214573	GB189520047

QUIZ NO. 6

What does each of these have in common with *esp@cenet*?

The answers to the previous quizzes (1-5) have October 19 in common with *esp@cenet*.

It was on October 19, 1998 that *esp@cenet* was officially launched.

