Intellectual Property Management Alok Divya(170010014)

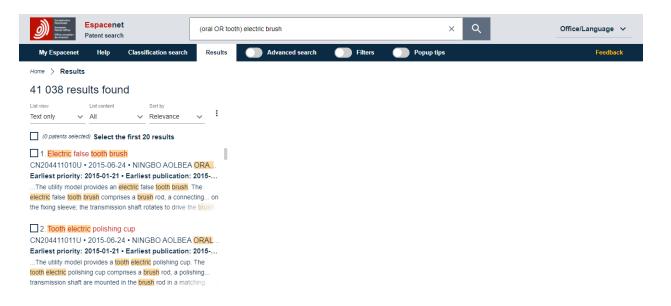
Topic: Electric Tooth Brush

Motivation for choosing this topic for patent search:

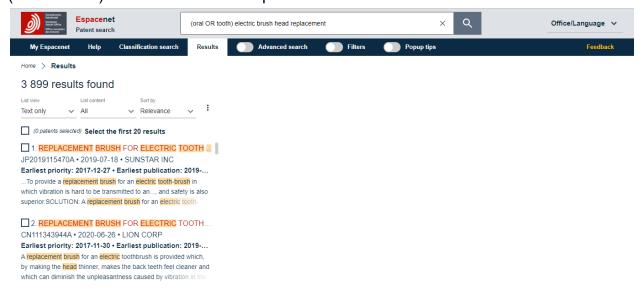
Colgate Charcoal power battery toothbrush

Query:

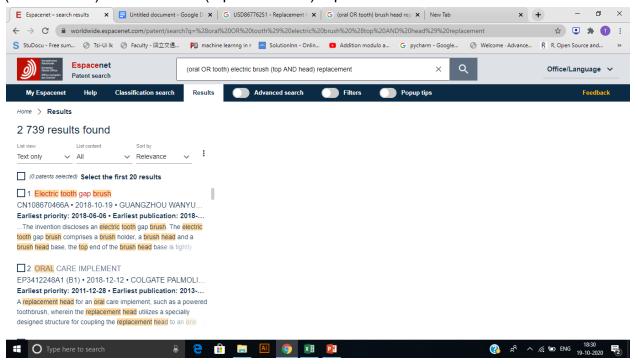
1. (oral OR tooth) electric brush



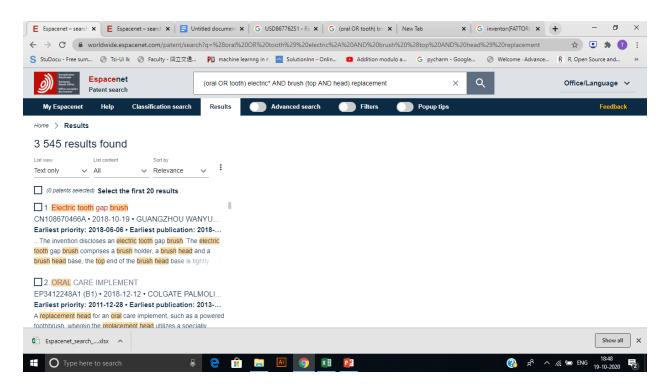
2. (oral or tooth) electric brush head replacement

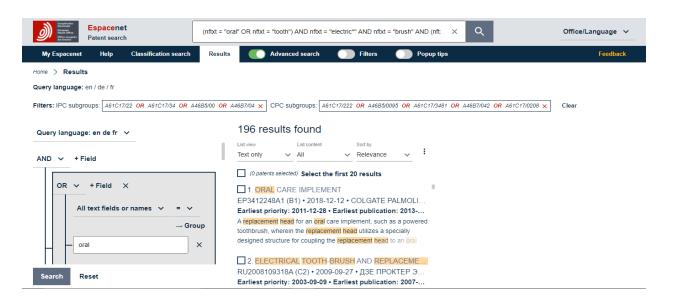


3. (oral or tooth) electric brush (top AND head) replacement

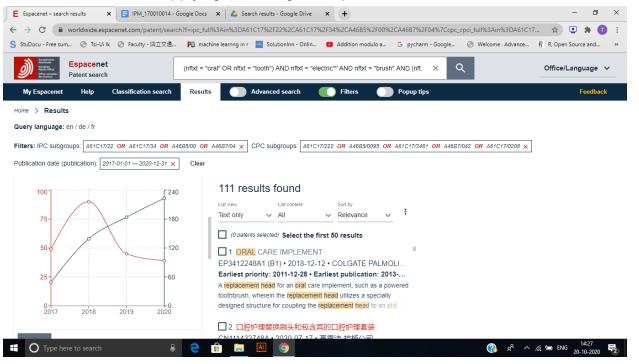


4. (oral or tooth) electric* brush (top AND head) replacement





Filtering search result after 01-01-2017:
 Here we can see after applying filter we get 111 patents in the result.



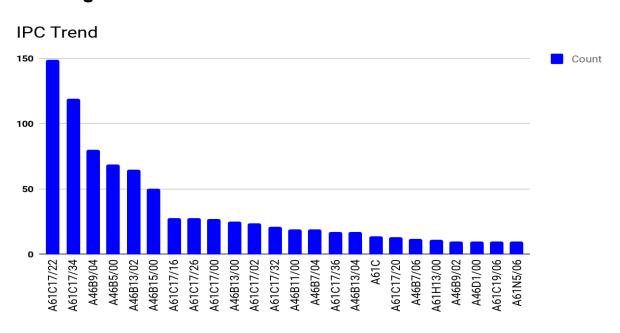
Search Result:

Query	Number of Result
(oral OR tooth) electric brush	41,038
(oral or tooth) electric brush head replacement	3,899
(oral or tooth) electric brush (top AND head) replacement	2,739
(oral or tooth) electric* brush (top AND head) replacement	3,545
(nftxt = "oral" OR nftxt = "tooth") AND nftxt = "electric*" AND nftxt = "brush" AND (nftxt = "top" AND nftxt = "head") AND nftxt = "replacement" AND (cl = "A61C17/22" OR cl = "A61C17/34" OR cl = "A46B5/00" OR cl = "A46B7/04")	196
After 2017	111

Top 50 Results: Click Here

Dear Sir, If you find any difficulty in viewing Top 50 results please mail me at 170010014@iitdh.ac.in

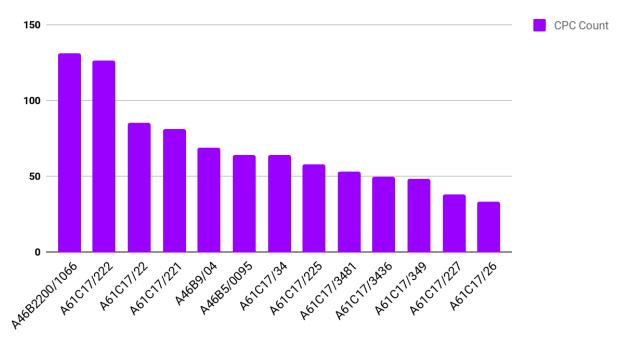
Technological Trend:



Top 6 IPC Trends are:

	IPC	Count
•	A61C17/22	149
•	A61C17/34	119
•	A46B9/04	80
•	A46B5/00	69
•	A46B13/02	65
•	A46B15/00	50

CPC Trend



	CPC	Count
•	A46B2200/1066	131
•	A61C17/222	126
•	A61C17/22	85
•	A61C17/221	81
•	A46B9/04	69
•	A46B5/0095	64
•	A61C17/34	64
•	A61C17/225	58
•	A61C17/3481	53

A61C17/3436
A61C17/349
A61C17/227
A61C17/26
33

Applicants:

Applicant	Number
COLGATE PALMOLIVE CO	31
BRAUN GMBH	24
DYSON TECHNOLOGY LTD	11
OMRON HEALTHCARE CO LTD	08
PROCTER & GAMBLE	08
CHURCH & DWIGHT CO INC	06
GILLETTE CO	05
OMRON HEALTHCARE CO LTD	05

Applicants from 01-01-2017:

Publication date (publication):	2017-01-01 — 2020-12-31	×
COLGATE PALMOLIVE	СО	13
DYSON TECHNOLOGY	'LTD	10
BRAUN GMBH		8
OMRON HEALTHCARE	CO LTD	7
OMRON HEALTHCARE	CO LTD	5
GILLETTE CO LLC		4
KONINKLIJKE PHILIPS	NV	4

As in the list of Applicants, we can see "COLGATE PALMOLIVE CO" has the highest number of applications as it is specialized in the production, distribution of toothbrush, toothpaste, oral care products.

Conclusion:

Toothbrush can also be manufactured by a local company in bulk apart from well-established companies but electric toothbrush can only be produced by well-established companies which are having a good experience of public needs and capital to invest in new innovations where precision is the topmost priority.

So, as we can see most of the patents filed by top brands of dental and health care companies which manufactures only oral care products.

References:

1. Amazon:

https://www.amazon.in/Colgate-Charcoal-power-battery-toothbrush/dp/B07JNNPPP5/ref=asc_df_B07JNNPPP5/?tag=googleshopdes-21&linkCode=df0&hvadid=397082717684&hvpos=&hvnetw=g&hvrand=17222890903908697539&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=20455&hvtargid=pla-870258277854&psc=1&ext_vrnc=hi

2. Espacenet: https://www.epo.org/