

SEARCH HISTORY

Application Number	PCT/US 19/63036
Search Conducted By	BBM
Search Approved By	SCL

CPC/IPC Classifications Searched	IPC (8): B65D 65/02 (2020.01) CPC: B65D 65/02
Date Conducted	10 January 2020 (10.01.2020)

Documentation Searched	IPC (8): B65D 55/02, B65D 65/02, B65D 79/00, B65D 85/00, B65F 1/14, B65F 1/16, B65F 7/00, G08B 13/08, G08B 13/14, G08B 21/00, G08B 29/26 (2020.01). CPC: B65D 55/02, B65D 65/02, B65D 79/00, B65D 85/00, B65F 1/14, B65F 1/16, B65F 2210/16, B65F 7/00, G08B 13/08, G08B 13/14, G08B 13/1436, G08B 13/149, G08B 21/00, G08B 21/182, G08B 29/26 USPC: 109/39S, 150/154, 206/459.1, 206/459.100P, 340/540, 340/545.6, 340/547, 340/568.1, 340/571, 340/571P, 340/669, 340/669S, 340/686.1, 340/686.6, 340/686.600S, 340/689, 340/690
Search Terms Used	Accelerometer, Activate, Automated, Baby, Battery, Bottle, Cap, Clasp, Closure, Container, Facial, Flip, Flushable, Hinge, Infant, Jar, Lid, Light, Living, Motion, Movement, Moving, Music, Neck, newborn, Photoresistor, Photosensor, Sensor, Sound, Speaker, Top, Trigger, Wipe
Date Conducted	10 January 2020 (10.01.2020)

Electronic Database Searched	PatBase
Files Searched	Full-text: AU BE BR CA CH CN DE DK EP ES FI FR GB IN JP KR SE TH TW US WO Bibliographic: (European) AT BA BE BG CH CS CY CZ DD DK EE ES FI GE GR HR HU IE IS IT LT LU LV MC MD MT NL NO PL PT RO RS SE SI SK SM TR UA YU (Asia) EA GC HK ID IL IN KZ MN MY PH RU SG SU TH TJ TW UZ VN (North America) CA CR CU DO GT HN MX NI PA SV TT (South America) AR BR CL CO EC PE UY (Australasia)

	AU NZ (Africa) AP DZ EG KE MA MW OA ZA ZM ZW
Date Conducted	10 January 2020 (10.01.2020)
Search Logic:	
Search 1:	(PD<20181130) (Results 1000000)
Search 2:	pa=(nice%pak w3 produc*) (Results 0)
Search 3:	PN=(WO16007846 OR US2014048553 OR US2014103058 OR US8939320 OR US9272831 OR US3729062 OR US2015987526) (Results 4)
Search 4:	PN=(US2002145531) (Results 1)
Search 5:	3 or 4 (Results 5)
Search 6:	// ----- (Results 0)
Search 7:	fn=(50230969 or 28074094 or 61434795 or 32245818 or 34035693 or 44340695 or 44340969 or 44340695 or 46402970 or 44340695 or 50547207 or 51592604 or 55474848 or 60056777 or 45919030 or 45918941 or 44340695 or 51592604 or 50547207 or 45919030 or 55474848) (Results 14)
Search 8:	pn=(US2010032332) (Results 1)
Search 9:	tac=((container% or jar%) and (flip* or hinge*) and (lid% or closure%)) (Results 29670)
Search 10:	9 and tac=((music* or song* or sound* or alarm* or speaker*) w10 (lid% or closure%)) (Results 110)
Search 11:	10 and tac=((trigger* or activat* or automat*) near (motion* or acceler* or move% or moving%)) (Results 0)
Search 12:	10 and ft=((trigger* or activat* or automat*) near (motion* or acceler* or move% or moving%)) (Results 2)
Search 13:	pn=(US2003010415) (Results 1)
Search 14:	4 or 8 or 13 (Results 3)
Search 15:	// ----- (Results 0)
Search 16:	IC=(B65D55/02 OR B65D65/02 OR B65D79/00 OR B65D85/00 OR B65F1/14 OR B65F1/16 OR B65F2210/16 OR B65F7/00 OR G08B13/08 OR G08B13/14 OR G08B13/1436 OR G08B13/149 OR G08B21/00 OR G08B21/182 OR G08B29/26 OR 109/39S OR 150/154 OR 206/459.1 OR 206/459.100P OR 340/540 OR 340/545.6 OR 340/547 OR 340/568.1 OR 340/571 OR 340/571P OR 340/669 OR 340/669S OR 340/686.1 OR 340/686.6 OR 340/686.600S OR 340/689 OR 340/690) OR CPC=(B65D55/02 OR B65D65/02 OR B65D79/00 OR B65D85/00 OR B65F1/14 OR B65F1/16 OR B65F2210/16 OR B65F7/00 OR G08B13/08 OR G08B13/14 OR G08B13/1436 OR G08B13/149 OR G08B21/00 OR G08B21/182 OR G08B29/26 OR 109/39S OR 150/154 OR 206/459.1 OR 206/459.100P OR 340/540 OR 340/545.6 OR 340/547 OR 340/568.1 OR 340/571 OR 340/571P OR 340/669 OR 340/669S OR 340/686.1 OR 340/686.6 OR 340/686.600S OR 340/689 OR 340/690) OR UC=(B65D55/02 OR B65D65/02 OR B65D79/00 OR B65D85/00 OR B65F1/14 OR B65F1/16 OR B65F2210/16 OR B65F7/00 OR G08B13/08 OR G08B13/14 OR G08B13/1436 OR G08B13/149 OR G08B21/00 OR G08B21/182 OR G08B29/26 OR 109/39S OR 150/154 OR 206/459.1 OR 206/459.100P OR 340/540 OR 340/545.6 OR 340/547 OR 340/568.1 OR 340/571 OR 340/571P OR 340/669 OR 340/669S OR 340/686.1 OR 340/686.6 OR 340/686.600S OR 340/689 OR 340/690) (Results 180420)
Search 17:	((ctf 13) or 13 or (ctb 13)) (Results 29)
Search 18:	(ctf 17) and (ctb 17) (Results 25)
Search 19:	17 and 18 (Results 14)
Search 20:	// ----- (Results 0)
Search 21:	16 and 1 (Results 169649)

Search 22: 21 and ft=(((music* or sound* or speaker*) near (lid% or cap% or top% or closur*)) w50 (jar% or bottle% or container* or bag% or wipe%)) (Results 121)

Search 23: 22 and ft=(speaker*) (Results 37)

Search 24: PN=(US9918905 OR US2013171597 OR US2013043205 OR US2013248389 OR US2007159327) (Results 5)

Search 25: 23 and ft=(livin* near hinge*) (Results 0)

Search 26: 21 and ft=(((music* or sound* or speaker*) near (lid% or cap% or top% or closur*)) (Results 403)

Search 27: 26 and ft=(livin* near hinge*) (Results 5)

Search 28: ft=((lift* w10 (lid% or cap%)) w10 (bend* or hinge* or flex*)) (Results 2297)

Search 29: 28 and ft=((speaker* w50 (cap% or lid%)) and (batter* w50 speaker*)) (Results 1)

Search 30: // ===== (Results 0)

Search 31: pn=(US9918905) (Results 1)

Search 32: ((ctf 31) or 31 or (ctb 31)) (Results 23)

Search 33: ((ctf 32) and (ctb 32)) and 32 (Results 17)

Search 34: pn=(US6545594) (Results 1)

Search 35: ((ctf 34) or 34 or (ctb 34)) (Results 72)

Search 36: ((ctf 35) and (ctb 35)) and 35 (Results 23)

Search 37: PN=(US2002000908) (Results 1)

Search 38: fn=(55423978 or 62945023 or 71736920 or 33802636 or 69897240 or 32014032 or 33515250 or 35869602 or 75286806 or 75286806 or 75286806 or 30568379 or 30609046 or 30716281 or 31760504 or 32761430 or 33106677 or 33515250 or 33813026 or 33511057 or 34227631 or 31834137 or 30716281 or 41909349 or 43305820 or 43751814 or 43924763 or 45552239 or 49390163 or 49559242 or 53039493 or 57600114 or 58065159 or 53180404 or 59510925 or 30609046 or 30716281 or 33813026 or 31760504 or 31834137 or 30716281 or 43924763 or 49559242 or 52081770 or 54950573 or 52815119 or 56563398 or 52815119 or 53039493 or 57702307 or 63814621 or 58065159 or 57600114 or 68923169 or 65393099 or 55632078 or 31381141 or 33086249 or 33515250 or 75286806 or 1570566 or 2539141 or 5125608 or 5319923 or 5360804 or 5453045 or 10249023 or 2099564 or 3066759 or 29246486 or 11844438 or 8997600 or 20695281 or 3505006 or 8570703 or 12853376 or 12380354 or 29335509 or 12654673 or 12853376 or 8504400 or 13168455 or 11094497 or 20655816 or 11282943 or 12500613 or 15826991 or 16012708 or 15768170) (Results 70)

Search 39: 1 and 16 and 38 (Results 30)

Search 40: fn=(75286806 or 75286806 or 75286806 or 75337885 or 28178908 or 32090361 or 41633461 or 34107626 or 52082561 or 56021514 or 61689802 or 63934783 or 2099564 or 3066759 or 29246486 or 11170777 or 15404925 or 15305850 or 15768170 or 32082837 or 30716281 or 33813026 or 46531242 or 30716281 or 42166577) (Results 22)

Search 41: tac=(((living near hinge*) or (flip near top%)) and alarm*) (Results 46)

Search 42: tac=(((living near hinge*) or (flip near top%)) and thread* and (container* or bottle*)) (Results 289)

Search 43: tac=(((living near hinge*) or (flip near top%)) and thread* and (bottle*)) (Results 89)

Search 44: 43 and tac=(neck*) (Results 40)

Search 45: // ===== (Results 0)

Search 46: ft=(((baby% or newborn* or infant* or facial* or flush*) w7 (wipe%)) w50 (speaker* or music* or audio*)) (Results 14)

Files Searched	Google Patent
Date Conducted	09 January 2020 (09.01.2020)
Search Logic:	
music container lid About 6,420 results	
musical jar closure About 399 results	
music speaker closure baby wipes About 476 results	
music speaker closure clasp plastic baby wipes About 85 results	
musical circuit board for flip lids with living hinges About 506 results	
speaker music memory chip circuit board for flip lids with living hinges About 309 results	
song circuit board light sensor plastic lid About 9,870 results	
song circuit board light sensor plastic lid container flip About 990 results	
(living hinge closure OR flip lid) motion (activation OR triggered) (song OR music OR sound) About 7,600 results	
(living hinge closure OR flip lid) (motion sensor OR accelerometer) (activation OR triggered) (song OR music OR sound) About 7,300 results	
(living hinge closure OR flip lid) battery (motion sensor OR accelerometer) (activation OR triggered) (song OR music OR sound) About 5,480 results	
battery (motion sensor OR accelerometer) (activation OR triggered) (song OR music OR sound) About 67,800 results	
speaker battery hinged closure About 5,340 results	
speaker battery hinged closure novelty	

About 363 results

speaker battery hinged closure blind

About 1,030 results

Electronic Database Searched	Google
Files Searched	Google Web
Date Conducted	09 January 2020 (09.01.2020)
Search Logic:	
<p>music container lid About 35,500,000 results</p> <p>musical jar closure About 1,840,000 results</p> <p>music speaker closure baby wipes About 14,900,000 results</p> <p>music speaker closure clasp plastic baby wipes About 2,100,000 results</p> <p>musical circuit board for flip lids with living hinges About 1,940,000 results</p> <p>speaker music memory chip circuit board for flip lids with living hinges About 1,490,000 results</p> <p>song circuit board light sensor plastic lid About 12,100,000 results</p> <p>song circuit board light sensor plastic lid container flip About 1,280,000 results</p> <p>(living hinge closure OR flip lid) motion (activation OR triggered) (song OR music OR sound) About 1,350,000 results</p> <p>(living hinge closure OR flip lid) (motion sensor OR accelerometer) (activation OR triggered) (song OR music OR sound) About 652,000 results</p> <p>(living hinge closure OR flip lid) battery (motion sensor OR accelerometer) (activation OR triggered) (song OR music OR sound) About 568,000 results</p> <p>battery (motion sensor OR accelerometer) (activation OR triggered) (song OR music OR sound) About 5,230,000 results</p>	

speaker battery hinged closure
About 857,000 results

speaker battery hinged closure novelty
About 676,000 results

speaker battery hinged closure deaf
About 292,000 results

Electronic Database Searched.	Google
Files Searched	Google Scholar
Date Conducted	09 January 2020 (09.01.2020)
Search Logic:	

music container lid
About 28,300 results

musical jar closure
About 6,210 results

music speaker closure baby wipes
About 18,300 results

music speaker closure clasp plastic baby wipes
About 6,040 results

musical circuit board for flip lids with living hinges
About 7,200 results

speaker music memory chip circuit board for flip lids with living hinges
About 2,660 results

song circuit board light sensor plastic lid
About 18,600 results

song circuit board light sensor plastic lid container flip
About 5,420 results

(living hinge closure OR flip lid) motion (activation OR triggered) (song OR music OR sound)
About 15,900 results

(living hinge closure OR flip lid) (motion sensor OR accelerometer) (activation OR triggered) (song OR music OR sound)
About 5,080 results

(living hinge closure OR flip lid) battery (motion sensor OR accelerometer) (activation OR triggered) (song OR music OR sound)
About 3,010 results

battery (motion sensor OR accelerometer) (activation OR triggered) (song OR music OR sound)
About 96,500 results

speaker battery hinged closure
About 5,390 results

speaker battery hinged closure novelty
About 762 results

speaker battery hinged closure deaf
About 706 results