

(12) United States Design Patent (10) Patent No.: US D988,984 S Osmola et al. (45) Date of Patent: ** Jun. 13, 2023

(56)

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- (54) **BATTERY PACK**
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AR (US)

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- (58) Field of Classification Search USPC D13/102–110, 118, 119, 153, 154, 184, D13/199
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(57) CLAIM

The ornamental design for a battery pack, as shown and described.

DESCRIPTION

FIG. 1 is a top front perspective view of the battery pack according to our new design;
FIG. 2 is a top plan view thereof;
FIG. 3 is a left side elevation view thereof;
FIG. 4 is a right side elevation view thereof;
FIG. 5 is a bottom plan view thereof;
FIG. 6 is a rear elevation view thereof;
FIG. 7 is a front elevation view thereof; and,
FIG. 8 is a top rear perspective view thereof.
The broken lines depict portions of the battery pack that form no part of the claimed design.

H01M 2/1022; H01M 2/1055; H01M 2/1066; H01M 2/105; H01M 2/20; H01M 2/202; H01M 2/204; H01M 2/206; H01M 2200/30; H01M 2250/30; H01M 2250/40; H01M 10/44; H01M 10/46; H01M 10/465; H01M 10/482; H01M 10/4257; H01M 10/0436; H01M 10/48; H01M 10/6235; H02J 7/0034; H02J 7/0054; H02J 7/1423; H02J 7/00; H02J 7/003; H02J 7/0011; H02J 7/0013;

(Continued)

1 Claim, 4 Drawing Sheets



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(58) Field of Classification Search CPC ... H02J 7/0055; H02J 7/0057; Y02T 10/7005; Y02T 10/705; Y02T 10/7088 See application file for complete search history.

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D940,648 D946,504 D951,860 D952,554 D956,682 D958,061 2005/0058890 2008/0238370 2013/0089764 2013/0136965 2013/0330576 2016/0240901 2016/0240901 2016/0240901 2016/0241065 2016/0322842 2016/0322842 2017/0012272 2018/0069208 2018/0198293 2018/0198293 2018/0198294 2019/0280501	S S S S S $A1$ $A1$ $A1$ $A1$ $A1$ $A1$ $A1$ $A1$	* * * * * * * * * * * * * * * * * * *	1/2022 3/2022 5/2022 5/2022 7/2022 7/2022 3/2005 10/2008 4/2013 5/2013 12/2013 3/2016 8/2016 11/2017 3/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018	Taylor D13/103 Qiu D13/103 Forsberg D13/103 Ku D13/103 Roberts D13/103 Roberts D13/103 Roberts D13/103 Smola D13/103 Brazell D13/103 Brazell H01M 50/213 429/99 Carrier Carrier H02J 7/00036 320/13 Melnyk Nakano Kolden Baumgartner H02J 7/00 320/113 Kondo Kondo H01M 10/6235 Kondo H01M 50/20 Sorhage Naito Naito H01R 33/765 Rejman H01M 50/24 Sheeks H02J 7/0091 Lee H01M 10/441 Sheeks H01M 10/441 Sheeks Kondo
$\begin{array}{c} D940,648\\ D946,504\\ D951,860\\ D952,554\\ D952,554\\ D956,682\\ D958,061\\ 2005/0058890\\\\\hline\\ 2008/0238370\\\\\hline\\ 2008/0238370\\\\\hline\\ 2013/0089764\\ 2013/0136965\\ 2013/0330576\\ 2013/0330576\\ 2016/0240901\\ 2016/0240901\\ 2016/0240901\\ 2016/0240901\\ 2016/0322842\\ 2017/0012272\\ 2018/0069208\\ 2018/0198294\\ 2018/0198292\\ 2018/0198293\\ 2018/0198294\\ 2019/0280501\\ 2019/0312242\\ 2020/0127339\\\\\hline\end{array}$	S S S S S S S A1	* * * * * * * * * * * * * * * * * * * *	$1/2022 \\ 3/2022 \\ 5/2022 \\ 5/2022 \\ 7/2022 \\ 7/2022 \\ 3/2005 \\ 10/2008 \\ 4/2013 \\ 5/2013 \\ 12/2013 \\ 3/2016 \\ 8/2016 \\ 1/2017 \\ 3/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\$	Taylor D13/103 Qiu D13/103 Forsberg D13/103 Forsberg D13/103 Xu D13/103 Roberts D13/103 Roberts D13/103 Smola D13/103 Smola D13/103 Smola D13/103 Brazell H01M 50/213 429/99 Carrier Carrier H02J 7/00036 320/13 Melnyk Nakano Kolden Baumgartner H02J 7/00 320/113 Kondo Kondo H01M 10/6235 Kondo H01M 50/20 Sorhage Naito Naito H01M 50/24 Sheeks H02J 7/0091 Lee H01M 10/441 Sheeks H02J 7/007194 Barton B25F 5/02 Nakano H01M 50/247
$\begin{array}{c} D940, 648\\ D946, 504\\ D951, 860\\ D952, 554\\ D956, 682\\ D958, 061\\ 2005/0058890\\ 2008/0238370\\ 2008/0238370\\ 2013/0089764\\ 2013/0136965\\ 2013/0330576\\ 2016/0072106\\ 2016/0240901\\ 2016/0240901\\ 2016/0241065\\ 2016/0322842\\ 2017/0012272\\ 2018/0069208\\ 2018/0198292\\ 2018/0198292\\ 2018/0198293\\ 2018/0198293\\ 2018/0198293\\ 2018/0198294\\ 2019/0280501\\ 2019/0312242\\ 2020/0127339\\ 2020/0176731\\ \end{array}$	S S S S S $A1$ $A1$ $A1$ $A1$ $A1$ $A1$ $A1$ $A1$	* * * * * * * * * * * * * * * * * * * *	$ 1/2022 \\ 3/2022 \\ 5/2022 \\ 5/2022 \\ 7/2022 \\ 7/2022 \\ 3/2005 \\ 10/2008 \\ 4/2013 \\ 5/2013 \\ 12/2013 \\ 3/2016 \\ 8/2016 \\ 1/2017 \\ 3/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2019 \\ 10/2019 \\ 4/2020 \\ 6/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ $	Taylor D13/103 Qiu D13/103 Forsberg D13/103 Kondo D13/103 Roberts D13/103 Roberts D13/103 Smola D13/103 Osmola D13/103 Smola D13/103 Star H02J 7/0036 320/13 Melnyk Nakano H01M 10/6235 Kondo H01M 10/6235 Kondo H01M 50/24 Sheeks H02J 7/0091 Lee H01M 10/441 Sheeks H01M 10/441 Sheeks H01M
$\begin{array}{c} D940, 648\\ D946, 504\\ D951, 860\\ D952, 554\\ D956, 682\\ D958, 061\\ 2005/0058890\\ 2008/0238370\\ 2008/0238370\\ 2013/0089764\\ 2013/0136965\\ 2013/0330576\\ 2016/0072106\\ 2016/0072106\\ 2016/0240901\\ 2016/0240901\\ 2016/0240901\\ 2016/022842\\ 2017/0012272\\ 2018/0069208\\ 2018/0198293\\ 2018/0198292\\ 2018/0198293\\ 2018/0198293\\ 2018/0198294\\ 2019/0280501\\ 2019/0312242\\ 2020/0176731\\ 2020/0176731\\ 2020/0176827\\ \end{array}$	S S S S S S S A 1 A 1 A 1 A 1 A 1 A 1 A	* * * * * * * * * * * * * * * * * * * *	$ 1/2022 \\ 3/2022 \\ 5/2022 \\ 5/2022 \\ 7/2022 \\ 7/2022 \\ 3/2005 \\ 10/2008 \\ 4/2013 \\ 5/2013 \\ 12/2013 \\ 3/2016 \\ 8/2016 \\ 1/2017 \\ 3/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2019 \\ 4/2020 \\ 6/2020 \\ 6/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ $	Taylor D13/103 Qiu D13/103 Forsberg D13/103 Xu D13/103 Roberts D13/103 Roberts D13/103 Osmola D13/103 Osmola D13/103 Brazell H01M 50/213 429/99 Carrier Carrier H02J 7/00036 320/13 Melnyk Nakano Kolden Baumgartner H02J 7/00 320/113 Kondo Kondo H01M 10/6235 Kondo H01M 50/20 Sorhage Naito Naito H01M 50/24 Sheeks H02J 7/0091 Lee H01M 10/46 Osborne H01M 10/441 Sheeks H02J 7/007194 Barton B25F 5/02 Nakano H01M 50/247 Taga H01M 10/482 Mao Mao
$\begin{array}{c} D940, 648\\ D946, 504\\ D951, 860\\ D952, 554\\ D956, 682\\ D958, 061\\ 2005/0058890\\ 2008/0238370\\ 2008/0238370\\ 2013/0089764\\ 2013/0136965\\ 2013/0330576\\ 2016/0072106\\ 2016/0240901\\ 2016/0240901\\ 2016/0241065\\ 2016/0322842\\ 2017/0012272\\ 2018/0069208\\ 2018/0198292\\ 2018/0198292\\ 2018/0198293\\ 2018/0198293\\ 2018/0198293\\ 2018/0198294\\ 2019/0280501\\ 2019/0312242\\ 2020/0127339\\ 2020/0176731\\ \end{array}$	S S S S S S S A 1 A 1 A 1 A 1 A 1 A 1 A	* * * * * * * * * * * * * * * * * * * *	$ 1/2022 \\ 3/2022 \\ 5/2022 \\ 5/2022 \\ 7/2022 \\ 7/2022 \\ 3/2005 \\ 10/2008 \\ 4/2013 \\ 5/2013 \\ 12/2013 \\ 3/2016 \\ 8/2016 \\ 1/2017 \\ 3/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2019 \\ 4/2020 \\ 6/2020 \\ 6/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ 7/200 \\ $	Taylor D13/103 Qiu D13/103 Forsberg D13/103 Xu D13/103 Roberts D13/103 Roberts D13/103 Osmola D13/103 Osmola D13/103 Brazell H01M 50/213 429/99 Carrier Carrier H02J 7/00036 320/13 Melnyk Nakano Kolden Baumgartner H02J 7/00 320/113 Kondo Kondo H01M 10/6235 Kondo H01M 50/20 Sorhage Naito Naito H01M 50/24 Sheeks H02J 7/0091 Lee H01M 10/46 Osborne H01M 10/441 Sheeks H02J 7/007194 Barton B25F 5/02 Nakano H01M 50/247 Taga H01M 10/482 Mao Mao
D940,648 D946,504 D951,860 D952,554 D956,682 D958,061 2005/0058890 2008/0238370 2013/0089764 2013/0136965 2013/0330576 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0322842 2017/0012272 2018/0069208 2018/0198293 2018/0198293 2018/0198293 2018/0198294 2019/0312242 2020/0176731 2020/0176827 2020/0212409	S S S S S S S A 1 A 1 A 1 A 1 A 1 A 1 A	* * * * * * * * * * * * * * * * * * * *	$ 1/2022 \\ 3/2022 \\ 5/2022 \\ 5/2022 \\ 7/2022 \\ 7/2022 \\ 3/2005 \\ 10/2008 \\ 4/2013 \\ 5/2013 \\ 12/2013 \\ 3/2016 \\ 8/2016 \\ 1/2017 \\ 3/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2020 \\ 6/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\$	Taylor D13/103 Qiu D13/103 Forsberg D13/103 Xu D13/103 Roberts D13/103 Roberts D13/103 Smola D13/103 Brazell H01M 50/213 429/99 Carrier Carrier H02J 7/00036 320/13 Melnyk Nakano Kolden Baumgartner H02J 7/00 320/113 Kondo Kondo H01M 10/6235 Kondo H01M 50/20 Sorhage Naito Naito H01M 50/24 Sheeks H02J 7/0091 Lee H01M 10/46 Osborne H01M 10/441 Sheeks H02J 7/007194 Barton B25F 5/02 Nakano H01M 50/247 Taga H01M 10/482 Mao Bantel
D940,648 D946,504 D951,860 D952,554 D956,682 D958,061 2005/0058890 2008/0238370 2013/0089764 2013/0136965 2013/0330576 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0322842 2016/0322842 2017/0012272 2018/0069208 2018/0198101 2018/0198293 2018/0198293 2018/0198293 2018/0198294 2019/0280501 2019/0280501 2020/0176827 2020/0176827 2020/0212409 2020/0212505	S S S S S S S A 1 A 1 A 1 A 1 A 1 A 1 A	* * * * * * * * * * * * * * * * * * * *	$ 1/2022 \\ 3/2022 \\ 5/2022 \\ 5/2022 \\ 7/2022 \\ 7/2022 \\ 3/2005 \\ 10/2008 \\ 4/2013 \\ 5/2013 \\ 12/2013 \\ 3/2016 \\ 8/2016 \\ 1/2017 \\ 3/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\$	Taylor D13/103 Qiu D13/103 Forsberg D13/103 Xu D13/103 Roberts D13/103 Roberts D13/103 Smola D13/103 Smola D13/103 Brazell H01M 50/213 429/99 Carrier Carrier H02J 7/00036 320/13 Melnyk Nakano Kolden Baumgartner H02J 7/00 320/113 Kondo Kondo H01M 10/6235 Kondo H01M 50/20 Sorhage Naito Naito H01M 50/24 Sheeks H02J 7/0091 Lee H01M 10/46 Osborne H01M 10/441 Sheeks H02J 7/007194 Barton B25F 5/02 Nakano H01M 10/482 Mao Bantel Nakano Matano
D940,648 D946,504 D951,860 D952,554 D956,682 D958,061 2005/0058890 2008/0238370 2013/0089764 2013/0136965 2013/0330576 2016/0240901 2016/0240901 2016/0241065 2016/0322842 2016/0322842 2017/0012272 2018/0069208 2018/0198293 2018/0198292 2018/0198293 2018/0198293 2018/0198294 2019/0280501 2019/0312242 2020/0176731 2020/0176827 2020/0212505 2020/0212505 2020/0212505	$\begin{array}{c} S\\S\\S\\S\\S\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\$	* * * * * * * * * * * * * * * * * * *	$ 1/2022 \\ 3/2022 \\ 5/2022 \\ 5/2022 \\ 7/2022 \\ 7/2022 \\ 3/2005 \\ 10/2008 \\ 4/2013 \\ 5/2013 \\ 12/2013 \\ 3/2016 \\ 8/2016 \\ 1/2017 \\ 3/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\$	Taylor D13/103 Qiu D13/103 Forsberg D13/103 Xu D13/103 Roberts D13/103 Roberts D13/103 Smola D13/103 Smola D13/103 Brazell H01M 50/213 429/99 Carrier Carrier H02J 7/00036 320/13 Melnyk Nakano Kolden Baumgartner H02J 7/00 320/113 Kondo Kondo H01M 10/6235 Kondo H01M 50/20 Sorhage Naito Naito H01M 50/24 Sheeks H02J 7/0091 Lee H01M 10/46 Osborne H01M 10/441 Sheeks H02J 7/007194 Barton B25F 5/02 Nakano H01M 10/482 Mao Bantel Nakano H01M 10/4257
D940,648 D946,504 D951,860 D952,554 D956,682 D958,061 2005/0058890 2008/0238370 2013/0089764 2013/0136965 2013/0330576 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0322842 2016/0322842 2017/0012272 2018/0069208 2018/0198101 2018/0198293 2018/0198293 2018/0198293 2018/0198294 2019/0280501 2019/0280501 2020/0176827 2020/0176827 2020/0212409 2020/0212505	$\begin{array}{c} S\\S\\S\\S\\S\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\$	* * * * * * * * * * * * * * * * * * *	$ 1/2022 \\ 3/2022 \\ 5/2022 \\ 5/2022 \\ 7/2022 \\ 7/2022 \\ 3/2005 \\ 10/2008 \\ 4/2013 \\ 5/2013 \\ 12/2013 \\ 3/2016 \\ 8/2016 \\ 1/2017 \\ 3/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\$	Taylor D13/103 Qiu D13/103 Forsberg D13/103 Xu D13/103 Roberts D13/103 Roberts D13/103 Smola D13/103 Smola D13/103 Brazell H01M 50/213 429/99 Carrier Carrier H02J 7/00036 320/13 Melnyk Nakano Kolden Baumgartner H02J 7/00 320/113 Kondo Kondo H01M 10/6235 Kondo H01M 50/20 Sorhage Naito Naito H01M 50/24 Sheeks H02J 7/0091 Lee H01M 10/46 Osborne H01M 10/441 Sheeks H02J 7/007194 Barton B25F 5/02 Nakano H01M 10/482 Mao Bantel Nakano Matano
D940,648 D946,504 D951,860 D952,554 D956,682 D958,061 2005/0058890 2008/0238370 2013/0089764 2013/0136965 2013/0330576 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0322842 2017/0012272 2018/0069208 2018/0198293 2018/0198293 2018/0198293 2018/0198294 2019/0312242 2020/0127339 2020/0176731 2020/0176827 2020/0212409 2020/0212505 2020/021505	$\begin{array}{c} S\\S\\S\\S\\S\\S\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\$	* * * * * * * * * * * * * * * * * * * *	1/2022 3/2022 5/2022 7/2022 7/2022 3/2005 10/2008 4/2013 5/2013 12/2013 3/2016 8/2016 8/2016 11/2017 3/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018	Taylor D13/103 Qiu D13/103 Forsberg D13/103 Xu D13/103 Roberts D13/103 Roberts D13/103 Smola D13/103 Osmola D13/103 Brazell H01M 50/213 429/99 Carrier Carrier H02J 7/00036 320/13 Melnyk Nakano Kolden Baumgartner H02J 7/00 320/113 Kondo Kondo H01M 10/6235 Kondo H01M 10/6235 Kondo H01M 50/20 Sorhage Naito Naito H01M 50/20 Sorhage Naito Naito H01M 10/4235 Kondo H01M 10/441 Sheeks H02J 7/007194 Barton B25F 5/02 Nakano H01M 10/482 Mao Bantel Nakano Jones Jones H01M 10/4257 Nagahama H01M 50/20
D940,648 D946,504 D951,860 D952,554 D956,682 D958,061 2005/0058890 2008/0238370 2013/0089764 2013/0136965 2013/0330576 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0322842 2017/0012272 2018/0069208 2018/0198293 2018/0198293 2018/0198293 2018/0198294 2019/0312242 2020/0176731 2020/0176827 2020/0212505 2020/0212505 2020/021576 2020/0350635	$\begin{array}{c} S\\S\\S\\S\\S\\S\\S\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\$	* * * * * * * * * * * * * * * * * * * *	$ 1/2022 \\ 3/2022 \\ 5/2022 \\ 5/2022 \\ 7/2022 \\ 7/2022 \\ 3/2005 \\ 10/2008 \\ 4/2013 \\ 5/2013 \\ 12/2013 \\ 3/2016 \\ 8/2016 \\ 1/2017 \\ 3/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2018 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\ 7/2020 \\$	Taylor D13/103 Qiu D13/103 Forsberg D13/103 Xu D13/103 Roberts D13/103 Roberts D13/103 Smola D13/103 Brazell H01M 50/213 429/99 Carrier Carrier H02J 7/00036 320/13 Melnyk Nakano Kolden Baumgartner H02J 7/00 320/113 Kondo Kondo H01M 10/6235 Kondo H01M 50/20 Sorhage Naito Naito H01M 50/20 Sorhage Naito Naito H01M 10/4235 Kondo H01M 10/441 Sheeks H02J 7/0091 Lee H01M 10/441 Sheeks H02J 7/007194 Barton B25F 5/02 Nakano H01M 10/482 Mao Bantel Nakano Jones Jones H01M 10/4257 Nagahama H01M 50/20 Counts H01M 50/54 <
D940,648 D946,504 D951,860 D952,554 D956,682 D958,061 2005/0058890 2008/0238370 2013/0089764 2013/0136965 2013/0330576 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0322842 2017/0012272 2018/0069208 2018/0198293 2018/0198293 2018/0198293 2018/0198294 2019/0280501 2019/0312242 2020/017631 2020/0176327 2020/0212409 2020/0212505 2020/0212505 2020/021576 2020/0350635 2020/0395641	$\begin{array}{c} S\\S\\S\\S\\S\\S\\S\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\$	* * * * * * * * * * * * * * * * * * * *	1/2022 3/2022 5/2022 5/2022 7/2022 7/2022 3/2005 10/2008 4/2013 5/2013 12/2013 3/2016 8/2016 11/2016 11/2016 11/2017 3/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018	Taylor D13/103 Qiu D13/103 Forsberg D13/103 Ku D13/103 Roberts D13/103 Roberts D13/103 Smola D13/103 Brazell H01M 50/213 429/99 Carrier Carrier H02J 7/00036 320/13 Melnyk Nakano Kolden Baumgartner H02J 7/00 320/113 Kondo Kondo H01M 10/6235 Kondo H01M 10/6235 Kondo H01M 50/20 Sorhage Naito Naito H01M 50/20 Sorhage Naito Naito H01M 50/24 Sheeks H02J 7/0091 Lee H01M 10/441 Sheeks H02J 7/007194 Barton B25F 5/02 Nakano H01M 10/482 Mao Bantel Nakano H01M 10/4257 Nagahama H01M 50/20 Counts H01M 10/463
D940,648 D946,504 D951,860 D952,554 D956,682 D958,061 2005/0058890 2008/0238370 2013/0089764 2013/0136965 2013/0330576 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0240901 2016/0322842 2017/0012272 2018/0069208 2018/0198293 2018/0198293 2018/0198293 2018/0198294 2019/0280501 2019/0312242 2020/017631 2020/0176327 2020/0212409 2020/0212505 2020/0212505 2020/021576 2020/0350635 2020/0395641	$\begin{array}{c} S\\S\\S\\S\\S\\S\\S\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\A1\\$	* * * * * * * * * * * * * * * * * * * *	1/2022 3/2022 5/2022 5/2022 7/2022 7/2022 3/2005 10/2008 4/2013 5/2013 12/2013 3/2016 8/2016 11/2016 11/2016 11/2017 3/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018 7/2018	Taylor D13/103 Qiu D13/103 Forsberg D13/103 Xu D13/103 Roberts D13/103 Roberts D13/103 Smola D13/103 Brazell H01M 50/213 429/99 Carrier Carrier H02J 7/00036 320/13 Melnyk Nakano Kolden Baumgartner H02J 7/00 320/113 Kondo Kondo H01M 10/6235 Kondo H01M 50/20 Sorhage Naito Naito H01M 50/20 Sorhage Naito Naito H01M 10/4235 Kondo H01M 10/441 Sheeks H02J 7/0091 Lee H01M 10/441 Sheeks H02J 7/007194 Barton B25F 5/02 Nakano H01M 10/482 Mao Bantel Nakano Jones Jones H01M 10/4257 Nagahama H01M 50/20 Counts H01M 50/54 <

D553,562	S	*	10/2007	Okada	D13/103
D568,239	S	*	5/2008	Okada	D13/103
D579,868	S	*	11/2008	Harrison	D13/103
D588,986	S	*		Zhang	
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FIG. 1



FIG. 2







FIG. 4



FIG. 5



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FIG. 6









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