

## 12/380,780 | RALEP007 [26WV-160488]: AUTOMATED DEVICE PROVISIONING AND ACTIVATION

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|                               |                             |                          |                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-----------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application #</b>          | <b>Confirmation #</b>       | <b>Attorney Docket #</b> | <b>Patent #</b>                                                                                                                                                                                                                                                                                                                                                   |
| 12/380,780                    | 1775                        | RALEP007 [26WV-160488]   | <a href="#">8,839,388</a> <br><a href="#">Download PDF</a>  <a href="#">Text</a> <br>Issued - 09/16/2014 |
| <b>Filing or 371 (c) date</b> | <b>Status</b>               |                          |                                                                                                                                                                                                                                                                                                                                                                   |
| 03/02/2009                    | Patented Case<br>08/27/2014 |                          |                                                                                                                                                                                                                                                                                                                                                                   |

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### Continuity

#### Parent data

| Application #              | Description                                    | Parent application #       | Filing or 371 (c) date | Status  | Patent # | AIA |
|----------------------------|------------------------------------------------|----------------------------|------------------------|---------|----------|-----|
| <a href="#">12/380,780</a> | Claims priority from a provisional application | <a href="#">61/206,354</a> | 01/28/2009             | Expired | --       | -   |
| <a href="#">12/380,780</a> | Claims priority from a provisional application | <a href="#">61/206,944</a> | 02/04/2009             | Expired | --       | -   |
| <a href="#">12/380,780</a> | Claims priority from a provisional application | <a href="#">61/207,393</a> | 02/10/2009             | Expired | --       | -   |
| <a href="#">12/380,780</a> | Claims priority from a provisional             | <a href="#">61/207,739</a> | 02/13/2009             | Expired | --       | -   |

AMAZON-1070

| <b>Application #</b> | <b>Description</b> | <b>Parent application #</b> | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b> | <b>AIA</b> |
|----------------------|--------------------|-----------------------------|-------------------------------|---------------|-----------------|------------|
|                      | application        |                             |                               |               |                 |            |

#### Child data

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">13/248,028</a> | 09/28/2011                    | Patented      | <a href="#">8924469</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/441,821</a> | 04/06/2012                    | Patented      | <a href="#">9755842</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/748,152</a> | 01/23/2013                    | Patented      | <a href="#">9557889</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/941,310</a> | 07/12/2013                    | Patented      | <a href="#">8745220</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/181,910</a> | 02/17/2014                    | Patented      | <a href="#">9571559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/272,274</a> | 05/07/2014                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/948,065</a> | 11/20/2015                    | Patented      | <a href="#">10028144</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/948,082</a> | 11/20/2015                    | Patented      | <a href="#">10165447</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">15/158,526</a> | 05/18/2016                    | Patented      | <a href="#">10492102</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/694,813</a> | 11/25/2019                    | Patented      | <a href="#">11363496</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/121,717</a> | 12/14/2020                    | Patented      | <a href="#">11477246</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/903,993</a> | 10/01/2024                    | Pending       | -                        | -          | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/292,282</a> | 05/30/2014                    | Patented      | <a href="#">9386165</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/287,576</a> | 10/06/2016                    | Patented      | <a href="#">10064033</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/134,005</a> | 05/25/2011                    | Patented      | <a href="#">8635335</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/947,099</a> | 07/21/2013                    | Patented      | <a href="#">10057775</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/098,523</a> | 12/05/2013                    | Patented      | <a href="#">9351193</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/340,270</a> | 07/24/2014                    | Patented      | <a href="#">9491199</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>              | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|-----------------------------------|-----------------------------------|---------------|--------------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#"><u>13/237,827</u></a> | 09/20/2011                        | Patented      | <a href="#"><u>8832777</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/082,040</u></a> | 11/15/2013                        | Patented      | <a href="#"><u>9609544</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/256,593</u></a> | 04/18/2014                        | Patented      | <a href="#"><u>8948025</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/098,523</u></a> | 12/05/2013                        | Patented      | <a href="#"><u>9351193</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/098,527</u></a> | 12/05/2013                        | Patented      | <a href="#"><u>9270559</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/673,625</u></a> | 03/30/2015                        | Patented      | <a href="#"><u>9179359</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/687,698</u></a> | 04/15/2015                        | Patented      | <a href="#"><u>9198075</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/688,725</u></a> | 04/16/2015                        | Patented      | <a href="#"><u>9198076</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/689,512</u></a> | 04/17/2015                        | Patented      | <a href="#"><u>9521578</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| 15/624,697                        | 06/15/2017                        | Abandoned     | -                              | -          | is a<br>Continuation<br>in-part of | 12/380,780                          |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">16/654,295</a> | 10/16/2019                    | Patented      | <a href="#">11218854</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/867,597</a> | 07/18/2022                    | Patented      | <a href="#">12166596</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/869,667</a> | 07/20/2022                    | Patented      | <a href="#">12401984</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/088,450</a> | 12/23/2022                    | Patented      | <a href="#">11985155</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/747,091</a> | 06/18/2024                    | Patented      | <a href="#">12149370</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">90/019,968</a> | 05/21/2025                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/098,523</a> | 12/05/2013                    | Patented      | <a href="#">9351193</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/102,436</a> | 12/10/2013                    | Patented      | <a href="#">9253663</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/248,028</a> | 09/28/2011                    | Patented      | <a href="#">8924469</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/309,463</a> | 12/01/2011                    | Patented      | <a href="#">8793758</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

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|----------------------------|-----------------------------------|---------------|--------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#">13/441,821</a> | 04/06/2012                        | Patented      | <a href="#">9755842</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/748,152</a> | 01/23/2013                        | Patented      | <a href="#">9557889</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/083,324</a> | 11/18/2013                        | Abandoned     | -                        | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/102,436</a> | 12/10/2013                        | Patented      | <a href="#">9253663</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/275,805</a> | 05/12/2014                        | Patented      | <a href="#">9578182</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">17/121,717</a> | 12/14/2020                        | Patented      | <a href="#">11477246</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">18/903,993</a> | 10/01/2024                        | Pending       | -                        | -          | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/247,998</a> | 09/28/2011                        | Patented      | <a href="#">8725123</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/147,394</a> | 01/03/2014                        | Patented      | <a href="#">9026079</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/670,315</a> | 03/26/2015                        | Patented      | <a href="#">9215159</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">15/369,542</a> | 12/05/2016                    | Patented      | <a href="#">10237757</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/867,607</a> | 07/18/2022                    | Patented      | <a href="#">11832117</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/384,772</a> | 10/27/2023                    | Patented      | <a href="#">12184702</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/247,998</a> | 09/28/2011                    | Patented      | <a href="#">8725123</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/802,483</a> | 03/13/2013                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/941,310</a> | 07/12/2013                    | Patented      | <a href="#">8745220</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/338,807</a> | 07/23/2014                    | Patented      | <a href="#">9094311</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/339,110</a> | 07/23/2014                    | Patented      | <a href="#">9705771</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/948,082</a> | 11/20/2015                    | Patented      | <a href="#">10165447</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/237,827</a> | 09/20/2011                    | Patented      | <a href="#">8832777</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>              | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b>       |
|-----------------------------------|-------------------------------|---------------|---------------------------------|------------|------------------------------|-----------------------------------|
| <a href="#"><u>13/247,998</u></a> | 09/28/2011                    | Patented      | <a href="#"><u>8725123</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/248,025</u></a> | 09/28/2011                    | Patented      | <a href="#"><u>8924543</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/309,463</u></a> | 12/01/2011                    | Patented      | <a href="#"><u>8793758</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/309,556</u></a> | 12/01/2011                    | Patented      | <a href="#"><u>8893009</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/948,082</u></a> | 11/20/2015                    | Patented      | <a href="#"><u>10165447</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>17/121,717</u></a> | 12/14/2020                    | Patented      | <a href="#"><u>11477246</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>18/384,772</u></a> | 10/27/2023                    | Patented      | <a href="#"><u>12184702</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>19/088,165</u></a> | 03/24/2025                    | Pending       | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/441,821</u></a> | 04/06/2012                    | Patented      | <a href="#"><u>9755842</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/098,527</u></a> | 12/05/2013                    | Patented      | <a href="#"><u>9270559</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |

| <b>Application #</b>       | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|----------------------------|-----------------------------------|---------------|--------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#">14/214,492</a> | 03/14/2014                        | Abandoned     | -                        | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">17/567,594</a> | 01/03/2022                        | Patented      | <a href="#">12200786</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/098,523</a> | 12/05/2013                        | Patented      | <a href="#">9351193</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/338,807</a> | 07/23/2014                        | Patented      | <a href="#">9094311</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">16/927,424</a> | 07/13/2020                        | Patented      | <a href="#">11563592</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">18/088,479</a> | 12/23/2022                        | Patented      | <a href="#">12445319</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/748,152</a> | 01/23/2013                        | Patented      | <a href="#">9557889</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/083,324</a> | 11/18/2013                        | Abandoned     | -                        | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/214,492</a> | 03/14/2014                        | Abandoned     | -                        | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">15/479,719</a> | 04/05/2017                        | Patented      | <a href="#">10248996</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">18/073,367</a> | 12/01/2022                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/534,397</a> | 12/08/2023                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">19/039,717</a> | 01/28/2025                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/712,184</a> | 12/12/2012                    | Patented      | <a href="#">8639935</a>  | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">14/668,829</a> | 03/25/2015                    | Patented      | <a href="#">9173104</a>  | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">16/421,121</a> | 05/23/2019                    | Patented      | <a href="#">11096055</a> | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">16/436,628</a> | 06/10/2019                    | Patented      | <a href="#">11228617</a> | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">18/946,594</a> | 11/13/2024                    | Pending       | -                        | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">13/134,005</a> | 05/25/2011                    | Patented      | <a href="#">8635335</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/802,483</a> | 03/13/2013                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

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|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">14/098,527</a> | 12/05/2013                    | Patented      | <a href="#">9270559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/156,428</a> | 01/15/2014                    | Patented      | <a href="#">9532261</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/034,362</a> | 07/13/2018                    | Patented      | <a href="#">10694385</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/214,902</a> | 12/10/2018                    | Patented      | <a href="#">10869199</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/099,157</a> | 11/16/2020                    | Patented      | <a href="#">11665592</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/604,106</a> | 03/13/2024                    | Patented      | <a href="#">12488090</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">12/694,451</a> | 01/27/2010                    | Patented      | <a href="#">8548428</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/237,827</a> | 09/20/2011                    | Patented      | <a href="#">8832777</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/082,040</a> | 11/15/2013                    | Patented      | <a href="#">9609544</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/098,523</a> | 12/05/2013                    | Patented      | <a href="#">9351193</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>              | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b>       |
|-----------------------------------|-------------------------------|---------------|---------------------------------|------------|------------------------------|-----------------------------------|
| <a href="#"><u>13/229,580</u></a> | 09/09/2011                    | Patented      | <a href="#"><u>8626115</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/248,025</u></a> | 09/28/2011                    | Patented      | <a href="#"><u>8924543</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/147,394</u></a> | 01/03/2014                    | Patented      | <a href="#"><u>9026079</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/338,807</u></a> | 07/23/2014                    | Patented      | <a href="#"><u>9094311</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/248,028</u></a> | 09/28/2011                    | Patented      | <a href="#"><u>8924469</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/275,805</u></a> | 05/12/2014                    | Patented      | <a href="#"><u>9578182</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>18/384,772</u></a> | 10/27/2023                    | Patented      | <a href="#"><u>12184702</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/134,005</u></a> | 05/25/2011                    | Patented      | <a href="#"><u>8635335</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/685,511</u></a> | 04/13/2015                    | Patented      | <a href="#"><u>9215613</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>15/220,184</u></a> | 07/26/2016                    | Patented      | <a href="#"><u>9674731</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b>                    | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|----------------------------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">15/416,377</a> | 01/26/2017                    | Patented                         | <a href="#">9954975</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/958,378</a> | 04/20/2018                    | Patented                         | <a href="#">10681179</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/214,902</a> | 12/10/2018                    | Patented                         | <a href="#">10869199</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/272,114</a> | 02/11/2019                    | Patented                         | <a href="#">10749700</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/234,220</a> | 04/19/2021                    | Patented                         | <a href="#">12309024</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/567,581</a> | 01/03/2022                    | Patented                         | <a href="#">12143909</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/088,458</a> | 12/23/2022                    | Patented                         | <a href="#">12452377</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">90/019,644</a> | 08/30/2024                    | Reexamination certificate issued | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">19/305,229</a> | 08/20/2025                    | Pending                          | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/237,827</a> | 09/20/2011                    | Patented                         | <a href="#">8832777</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">13/247,998</a> | 09/28/2011                    | Patented      | <a href="#">8725123</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/147,394</a> | 01/03/2014                    | Patented      | <a href="#">9026079</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/214,902</a> | 12/10/2018                    | Patented      | <a href="#">10869199</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/134,028</a> | 05/25/2011                    | Patented      | <a href="#">8589541</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/083,324</a> | 11/18/2013                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/098,523</a> | 12/05/2013                    | Patented      | <a href="#">9351193</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/673,625</a> | 03/30/2015                    | Patented      | <a href="#">9179359</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/689,504</a> | 04/17/2015                    | Patented      | <a href="#">9258735</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/689,512</a> | 04/17/2015                    | Patented      | <a href="#">9521578</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/948,082</a> | 11/20/2015                    | Patented      | <a href="#">10165447</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|----------------------------|-----------------------------------|---------------|--------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#">15/220,184</a> | 07/26/2016                        | Patented      | <a href="#">9674731</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">15/958,430</a> | 04/20/2018                        | Patented      | <a href="#">10462627</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">16/216,479</a> | 12/11/2018                        | Patented      | <a href="#">10798254</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/239,321</a> | 09/21/2011                        | Patented      | <a href="#">8898293</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/947,099</a> | 07/21/2013                        | Patented      | <a href="#">10057775</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">16/214,902</a> | 12/10/2018                        | Patented      | <a href="#">10869199</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/941,310</a> | 07/12/2013                        | Patented      | <a href="#">8745220</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/948,082</a> | 11/20/2015                        | Patented      | <a href="#">10165447</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/309,463</a> | 12/01/2011                        | Patented      | <a href="#">8793758</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">16/694,813</a> | 11/25/2019                        | Patented      | <a href="#">11363496</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">13/842,172</a> | 03/15/2013                    | Patented      | <a href="#">9858559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/248,028</a> | 09/28/2011                    | Patented      | <a href="#">8924469</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/253,013</a> | 10/04/2011                    | Patented      | <a href="#">8745191</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/214,492</a> | 03/14/2014                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/339,110</a> | 07/23/2014                    | Patented      | <a href="#">9705771</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/578,124</a> | 12/19/2014                    | Patented      | <a href="#">9565707</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/121,717</a> | 12/14/2020                    | Patented      | <a href="#">11477246</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/384,772</a> | 10/27/2023                    | Patented      | <a href="#">12184702</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/309,463</a> | 12/01/2011                    | Patented      | <a href="#">8793758</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/309,556</a> | 12/01/2011                    | Patented      | <a href="#">8893009</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">14/340,270</a> | 07/24/2014                    | Patented      | <a href="#">9491199</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/374,959</a> | 01/24/2012                    | Patented      | <a href="#">8606911</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/275,805</a> | 05/12/2014                    | Patented      | <a href="#">9578182</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/339,110</a> | 07/23/2014                    | Patented      | <a href="#">9705771</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/441,821</a> | 04/06/2012                    | Patented      | <a href="#">9755842</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/802,483</a> | 03/13/2013                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/275,805</a> | 05/12/2014                    | Patented      | <a href="#">9578182</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/681,730</a> | 08/21/2017                    | Patented      | <a href="#">10715342</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/275,805</a> | 05/12/2014                    | Patented      | <a href="#">9578182</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/353,176</a> | 03/14/2019                    | Patented      | <a href="#">10783581</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>           | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|--------------------------------|-----------------------------------|---------------|--------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#">17/026,549</a>     | 09/21/2020                        | Patented      | <a href="#">11538106</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| 17/344,009                     | 06/10/2021                        | Abandoned     | -                        | -          | is a<br>Continuation<br>in-part of | 12/380,780                          |
| <a href="#">PCT/US10/22438</a> | 01/28/2010                        | Published     | -                        | -          | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">13/461,141</a>     | 05/01/2012                        | Patented      | <a href="#">8406733</a>  | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">14/151,769</a>     | 01/09/2014                        | Patented      | <a href="#">8886162</a>  | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">13/678,417</a>     | 11/15/2012                        | Patented      | <a href="#">8631102</a>  | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">15/427,837</a>     | 02/08/2017                        | Patented      | <a href="#">10321318</a> | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">14/102,436</a>     | 12/10/2013                        | Patented      | <a href="#">9253663</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/292,282</a>     | 05/30/2014                        | Patented      | <a href="#">9386165</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">17/869,696</a>     | 07/20/2022                        | Patented      | <a href="#">11973804</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">18/885,194</a> | 09/13/2024                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">19/305,071</a> | 08/20/2025                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/309,463</a> | 12/01/2011                    | Patented      | <a href="#">8793758</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/656,620</a> | 10/19/2012                    | Patented      | <a href="#">8630617</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/941,310</a> | 07/12/2013                    | Patented      | <a href="#">8745220</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/037,321</a> | 09/25/2013                    | Patented      | <a href="#">9565543</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/098,527</a> | 12/05/2013                    | Patented      | <a href="#">9270559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/181,910</a> | 02/17/2014                    | Patented      | <a href="#">9571559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/948,082</a> | 11/20/2015                    | Patented      | <a href="#">10165447</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/214,902</a> | 12/10/2018                    | Patented      | <a href="#">10869199</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">13/134,028</a> | 05/25/2011                    | Patented      | <a href="#">8589541</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/098,527</a> | 12/05/2013                    | Patented      | <a href="#">9270559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/384,772</a> | 10/27/2023                    | Patented      | <a href="#">12184702</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">12/695,020</a> | 01/27/2010                    | Patented      | <a href="#">8406748</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/083,324</a> | 11/18/2013                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/181,910</a> | 02/17/2014                    | Patented      | <a href="#">9571559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/121,717</a> | 12/14/2020                    | Patented      | <a href="#">11477246</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/309,463</a> | 12/01/2011                    | Patented      | <a href="#">8793758</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/082,040</a> | 11/15/2013                    | Patented      | <a href="#">9609544</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/687,715</a> | 04/15/2015                    | Patented      | <a href="#">9749899</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b>                    | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|----------------------------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">14/688,713</a> | 04/16/2015                    | Patented                         | <a href="#">9271184</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/446,291</a> | 03/01/2017                    | Patented                         | <a href="#">10171681</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/426,786</a> | 05/30/2019                    | Patented                         | <a href="#">11190427</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/384,772</a> | 10/27/2023                    | Patented                         | <a href="#">12184702</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">90/019,643</a> | 08/30/2024                    | Reexamination certificate issued | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/948,022</a> | 11/14/2024                    | Pending                          | -                        | Yes        | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">19/283,054</a> | 07/28/2025                    | Pending                          | -                        | Yes        | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/441,821</a> | 04/06/2012                    | Patented                         | <a href="#">9755842</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/181,910</a> | 02/17/2014                    | Patented                         | <a href="#">9571559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/134,005</a> | 05/25/2011                    | Patented                         | <a href="#">8635335</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>              | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b>       |
|-----------------------------------|-------------------------------|---------------|---------------------------------|------------|------------------------------|-----------------------------------|
| <a href="#"><u>13/229,580</u></a> | 09/09/2011                    | Patented      | <a href="#"><u>8626115</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/309,556</u></a> | 12/01/2011                    | Patented      | <a href="#"><u>8893009</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/082,040</u></a> | 11/15/2013                    | Patented      | <a href="#"><u>9609544</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/339,110</u></a> | 07/23/2014                    | Patented      | <a href="#"><u>9705771</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>16/426,786</u></a> | 05/30/2019                    | Patented      | <a href="#"><u>11190427</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>18/379,606</u></a> | 10/12/2023                    | Patented      | <a href="#"><u>12289621</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/253,013</u></a> | 10/04/2011                    | Patented      | <a href="#"><u>8745191</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/309,556</u></a> | 12/01/2011                    | Patented      | <a href="#"><u>8893009</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/748,152</u></a> | 01/23/2013                    | Patented      | <a href="#"><u>9557889</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/083,324</u></a> | 11/18/2013                    | Abandoned     | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">15/699,746</a> | 09/08/2017                    | Patented      | <a href="#">10326800</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/802,483</a> | 03/13/2013                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/083,324</a> | 11/18/2013                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/098,527</a> | 12/05/2013                    | Patented      | <a href="#">9270559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/473,137</a> | 08/29/2014                    | Patented      | <a href="#">9591474</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/213,612</a> | 12/07/2018                    | Patented      | <a href="#">10798558</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/869,696</a> | 07/20/2022                    | Patented      | <a href="#">11973804</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/088,416</a> | 12/23/2022                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/253,013</a> | 10/04/2011                    | Patented      | <a href="#">8745191</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/275,805</a> | 05/12/2014                    | Patented      | <a href="#">9578182</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>              | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|-----------------------------------|-----------------------------------|---------------|---------------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#"><u>13/842,172</u></a> | 03/15/2013                        | Patented      | <a href="#"><u>9858559</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>13/941,310</u></a> | 07/12/2013                        | Patented      | <a href="#"><u>8745220</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/083,324</u></a> | 11/18/2013                        | Abandoned     | -                               | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/098,523</u></a> | 12/05/2013                        | Patented      | <a href="#"><u>9351193</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>16/214,902</u></a> | 12/10/2018                        | Patented      | <a href="#"><u>10869199</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>17/099,157</u></a> | 11/16/2020                        | Patented      | <a href="#"><u>11665592</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>13/248,025</u></a> | 09/28/2011                        | Patented      | <a href="#"><u>8924543</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>13/248,028</u></a> | 09/28/2011                        | Patented      | <a href="#"><u>8924469</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>13/374,959</u></a> | 01/24/2012                        | Patented      | <a href="#"><u>8606911</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| 15/177,962                        | 06/09/2016                        | Abandoned     | -                               | -          | is a<br>Continuation<br>in-part of | 12/380,780                          |

| <b>Application #</b>           | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|--------------------------------|-----------------------------------|---------------|--------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#">17/869,696</a>     | 07/20/2022                        | Patented      | <a href="#">11973804</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">15/287,603</a>     | 10/06/2016                        | Patented      | <a href="#">10080250</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/253,013</a>     | 10/04/2011                        | Patented      | <a href="#">8745191</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/948,082</a>     | 11/20/2015                        | Patented      | <a href="#">10165447</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">18/384,772</a>     | 10/27/2023                        | Patented      | <a href="#">12184702</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/374,959</a>     | 01/24/2012                        | Patented      | <a href="#">8606911</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/098,527</a>     | 12/05/2013                        | Patented      | <a href="#">9270559</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/214,492</a>     | 03/14/2014                        | Abandoned     | -                        | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">18/534,415</a>     | 12/08/2023                        | Pending       | -                        | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">PCT/US10/22273</a> | 01/27/2010                        | Published     | -                        | -          | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">13/705,055</a> | 12/04/2012                    | Patented      | <a href="#">8667571</a>  | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">13/867,347</a> | 04/22/2013                    | Patented      | <a href="#">8737957</a>  | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">13/870,939</a> | 04/25/2013                    | Patented      | <a href="#">8570908</a>  | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">13/896,065</a> | 05/16/2013                    | Patented      | <a href="#">8797908</a>  | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">14/665,235</a> | 03/23/2015                    | Patented      | <a href="#">9179316</a>  | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">14/667,516</a> | 03/24/2015                    | Patented      | <a href="#">9198117</a>  | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| 14/959,808                 | 12/04/2015                    | Abandoned     | -                        | -          | is a Continuation of         | 12/380,780                  |
| <a href="#">15/217,538</a> | 07/22/2016                    | Patented      | <a href="#">9491564</a>  | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">17/401,635</a> | 08/13/2021                    | Patented      | <a href="#">11757943</a> | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">13/134,028</a> | 05/25/2011                    | Patented      | <a href="#">8589541</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>              | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b>       |
|-----------------------------------|-------------------------------|---------------|---------------------------------|------------|------------------------------|-----------------------------------|
| <a href="#"><u>13/134,028</u></a> | 05/25/2011                    | Patented      | <a href="#"><u>8589541</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/253,013</u></a> | 10/04/2011                    | Patented      | <a href="#"><u>8745191</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/309,556</u></a> | 12/01/2011                    | Patented      | <a href="#"><u>8893009</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/082,040</u></a> | 11/15/2013                    | Patented      | <a href="#"><u>9609544</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/473,137</u></a> | 08/29/2014                    | Patented      | <a href="#"><u>9591474</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>90/019,892</u></a> | 03/31/2025                    | Pending       | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/248,025</u></a> | 09/28/2011                    | Patented      | <a href="#"><u>8924543</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>17/869,696</u></a> | 07/20/2022                    | Patented      | <a href="#"><u>11973804</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/674,808</u></a> | 11/12/2012                    | Patented      | <a href="#"><u>8634821</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>19/283,028</u></a> | 07/28/2025                    | Pending       | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |

| <b>Application #</b>              | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|-----------------------------------|-----------------------------------|---------------|---------------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#"><u>13/134,005</u></a> | 05/25/2011                        | Patented      | <a href="#"><u>8635335</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>13/309,556</u></a> | 12/01/2011                        | Patented      | <a href="#"><u>8893009</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>13/588,965</u></a> | 08/17/2012                        | Patented      | <a href="#"><u>8868455</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>15/400,768</u></a> | 01/06/2017                        | Patented      | <a href="#"><u>10237146</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>16/214,902</u></a> | 12/10/2018                        | Patented      | <a href="#"><u>10869199</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>17/106,648</u></a> | 11/30/2020                        | Patented      | <a href="#"><u>11750477</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>18/221,339</u></a> | 07/12/2023                        | Patented      | <a href="#"><u>12095632</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>13/237,827</u></a> | 09/20/2011                        | Patented      | <a href="#"><u>8832777</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/147,394</u></a> | 01/03/2014                        | Patented      | <a href="#"><u>9026079</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/541,493</u></a> | 11/14/2014                        | Patented      | <a href="#"><u>9392462</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b>                    | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|----------------------------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">14/541,628</a> | 11/14/2014                    | Patented                         | <a href="#">9706061</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/676,704</a> | 04/01/2015                    | Patented                         | <a href="#">9143976</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/287,597</a> | 10/06/2016                    | Patented                         | <a href="#">10064055</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/586,118</a> | 05/03/2017                    | Patented                         | <a href="#">10326675</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/977,713</a> | 05/11/2018                    | Patented                         | <a href="#">10484858</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/895,427</a> | 06/08/2020                    | Patented                         | <a href="#">11516301</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/019,957</a> | 09/14/2020                    | Patented                         | <a href="#">11533642</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/101,442</a> | 11/23/2020                    | Patented                         | <a href="#">11923995</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/747,944</a> | 06/19/2024                    | Pending                          | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">90/019,610</a> | 08/05/2024                    | Reexamination certificate issued | -                        | Yes        | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>              | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b>       |
|-----------------------------------|-------------------------------|---------------|---------------------------------|------------|------------------------------|-----------------------------------|
| <a href="#"><u>14/952,374</u></a> | 11/25/2015                    | Patented      | <a href="#"><u>9986413</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/248,025</u></a> | 09/28/2011                    | Patented      | <a href="#"><u>8924543</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/309,556</u></a> | 12/01/2011                    | Patented      | <a href="#"><u>8893009</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/339,110</u></a> | 07/23/2014                    | Patented      | <a href="#"><u>9705771</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>16/214,902</u></a> | 12/10/2018                    | Patented      | <a href="#"><u>10869199</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/239,321</u></a> | 09/21/2011                    | Patented      | <a href="#"><u>8898293</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/248,028</u></a> | 09/28/2011                    | Patented      | <a href="#"><u>8924469</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/309,463</u></a> | 12/01/2011                    | Patented      | <a href="#"><u>8793758</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/156,428</u></a> | 01/15/2014                    | Patented      | <a href="#"><u>9532261</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/541,493</u></a> | 11/14/2014                    | Patented      | <a href="#"><u>9392462</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">15/158,522</a> | 05/18/2016                    | Patented      | <a href="#">9980146</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/595,583</a> | 10/08/2019                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/121,717</a> | 12/14/2020                    | Patented      | <a href="#">11477246</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">19/299,098</a> | 08/13/2025                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/229,580</a> | 09/09/2011                    | Patented      | <a href="#">8626115</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/248,028</a> | 09/28/2011                    | Patented      | <a href="#">8924469</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/309,463</a> | 12/01/2011                    | Patented      | <a href="#">8793758</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/384,772</a> | 10/27/2023                    | Patented      | <a href="#">12184702</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/248,028</a> | 09/28/2011                    | Patented      | <a href="#">8924469</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/842,172</a> | 03/15/2013                    | Patented      | <a href="#">9858559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">15/416,351</a> | 01/26/2017                    | Patented      | <a href="#">10171990</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/093,535</a> | 11/09/2020                    | Patented      | <a href="#">11589216</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/948,082</a> | 11/20/2015                    | Patented      | <a href="#">10165447</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/247,998</a> | 09/28/2011                    | Patented      | <a href="#">8725123</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/214,902</a> | 12/10/2018                    | Patented      | <a href="#">10869199</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/338,807</a> | 07/23/2014                    | Patented      | <a href="#">9094311</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/842,172</a> | 03/15/2013                    | Patented      | <a href="#">9858559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/292,282</a> | 05/30/2014                    | Patented      | <a href="#">9386165</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/162,469</a> | 05/23/2016                    | Patented      | <a href="#">10200541</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/213,800</a> | 12/07/2018                    | Patented      | <a href="#">10798252</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>           | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|--------------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">17/121,717</a>     | 12/14/2020                    | Patented      | <a href="#">11477246</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/275,805</a>     | 05/12/2014                    | Patented      | <a href="#">9578182</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/181,910</a>     | 02/17/2014                    | Patented      | <a href="#">9571559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">PCT/US10/21302</a> | 01/18/2010                    | Published     | -                        | -          | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">PCT/US10/22269</a> | 01/27/2010                    | Published     | -                        | -          | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">13/456,139</a>     | 04/25/2012                    | Patented      | <a href="#">8478667</a>  | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">13/742,317</a>     | 01/15/2013                    | Patented      | <a href="#">8640198</a>  | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">14/667,353</a>     | 03/24/2015                    | Patented      | <a href="#">9232403</a>  | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">90/019,753</a>     | 12/03/2024                    | Pending       | -                        | No         | is a Continuation of         | <a href="#">12/380,780</a>  |
| <a href="#">12/694,445</a>     | 01/27/2010                    | Patented      | <a href="#">8391834</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">13/248,025</a> | 09/28/2011                    | Patented      | <a href="#">8924543</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/374,959</a> | 01/24/2012                    | Patented      | <a href="#">8606911</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/083,324</a> | 11/18/2013                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/338,807</a> | 07/23/2014                    | Patented      | <a href="#">9094311</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/339,110</a> | 07/23/2014                    | Patented      | <a href="#">9705771</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/833,684</a> | 06/06/2022                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/867,585</a> | 07/18/2022                    | Patented      | <a href="#">11966464</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/239,321</a> | 09/21/2011                    | Patented      | <a href="#">8898293</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/248,025</a> | 09/28/2011                    | Patented      | <a href="#">8924543</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/309,556</a> | 12/01/2011                    | Patented      | <a href="#">8893009</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>              | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b>       |
|-----------------------------------|-------------------------------|---------------|---------------------------------|------------|------------------------------|-----------------------------------|
| <a href="#"><u>13/309,463</u></a> | 12/01/2011                    | Patented      | <a href="#"><u>8793758</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/156,428</u></a> | 01/15/2014                    | Patented      | <a href="#"><u>9532261</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>15/210,619</u></a> | 07/14/2016                    | Patented      | <a href="#"><u>10070305</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>16/214,902</u></a> | 12/10/2018                    | Patented      | <a href="#"><u>10869199</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/098,523</u></a> | 12/05/2013                    | Patented      | <a href="#"><u>9351193</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>17/975,560</u></a> | 10/27/2022                    | Abandoned     | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>12/695,021</u></a> | 01/27/2010                    | Patented      | <a href="#"><u>8346225</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/947,099</u></a> | 07/21/2013                    | Patented      | <a href="#"><u>10057775</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/677,788</u></a> | 04/02/2015                    | Patented      | <a href="#"><u>9154428</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/684,033</u></a> | 04/10/2015                    | Patented      | <a href="#"><u>9277445</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |

| <b>Application #</b>       | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|----------------------------|-----------------------------------|---------------|--------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#">14/685,506</a> | 04/13/2015                        | Patented      | <a href="#">9319913</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/687,707</a> | 04/15/2015                        | Patented      | <a href="#">9749898</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/689,504</a> | 04/17/2015                        | Patented      | <a href="#">9258735</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/952,374</a> | 11/25/2015                        | Patented      | <a href="#">9986413</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">15/977,731</a> | 05/11/2018                        | Patented      | <a href="#">10771980</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">16/216,479</a> | 12/11/2018                        | Patented      | <a href="#">10798254</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">17/008,031</a> | 08/31/2020                        | Patented      | <a href="#">11665186</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| 17/344,009                 | 06/10/2021                        | Abandoned     | -                        | -          | is a<br>Continuation<br>in-part of | 12/380,780                          |
| <a href="#">17/536,397</a> | 11/29/2021                        | Patented      | <a href="#">12432130</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">17/971,941</a> | 10/24/2022                        | Pending       | -                        | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |

| <b>Application #</b>              | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b>       |
|-----------------------------------|-------------------------------|---------------|---------------------------------|------------|------------------------------|-----------------------------------|
| <a href="#"><u>19/299,098</u></a> | 08/13/2025                    | Pending       | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>12/695,980</u></a> | 01/28/2010                    | Patented      | <a href="#"><u>8340634</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/156,428</u></a> | 01/15/2014                    | Patented      | <a href="#"><u>9532261</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/272,274</u></a> | 05/07/2014                    | Abandoned     | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>18/384,772</u></a> | 10/27/2023                    | Patented      | <a href="#"><u>12184702</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/229,580</u></a> | 09/09/2011                    | Patented      | <a href="#"><u>8626115</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/237,827</u></a> | 09/20/2011                    | Patented      | <a href="#"><u>8832777</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/247,998</u></a> | 09/28/2011                    | Patented      | <a href="#"><u>8725123</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/842,172</u></a> | 03/15/2013                    | Patented      | <a href="#"><u>9858559</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/147,394</u></a> | 01/03/2014                    | Patented      | <a href="#"><u>9026079</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">14/272,274</a> | 05/07/2014                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/292,282</a> | 05/30/2014                    | Patented      | <a href="#">9386165</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/473,137</a> | 08/29/2014                    | Patented      | <a href="#">9591474</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/272,098</a> | 02/11/2019                    | Patented      | <a href="#">10791471</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/869,696</a> | 07/20/2022                    | Patented      | <a href="#">11973804</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/842,172</a> | 03/15/2013                    | Patented      | <a href="#">9858559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/098,527</a> | 12/05/2013                    | Patented      | <a href="#">9270559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/147,394</a> | 01/03/2014                    | Patented      | <a href="#">9026079</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/272,274</a> | 05/07/2014                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/340,270</a> | 07/24/2014                    | Patented      | <a href="#">9491199</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|----------------------------|-----------------------------------|---------------|--------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#">14/473,137</a> | 08/29/2014                        | Patented      | <a href="#">9591474</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">17/869,696</a> | 07/20/2022                        | Patented      | <a href="#">11973804</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/239,321</a> | 09/21/2011                        | Patented      | <a href="#">8898293</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/253,013</a> | 10/04/2011                        | Patented      | <a href="#">8745191</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/748,152</a> | 01/23/2013                        | Patented      | <a href="#">9557889</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/339,110</a> | 07/23/2014                        | Patented      | <a href="#">9705771</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">15/158,526</a> | 05/18/2016                        | Patented      | <a href="#">10492102</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">16/236,134</a> | 12/28/2018                        | Patented      | <a href="#">10834577</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">17/063,047</a> | 10/05/2020                        | Patented      | <a href="#">11582593</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/239,321</a> | 09/21/2011                        | Patented      | <a href="#">8898293</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |

| <b>Application #</b>       | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|----------------------------|-----------------------------------|---------------|--------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#">14/098,523</a> | 12/05/2013                        | Patented      | <a href="#">9351193</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/292,282</a> | 05/30/2014                        | Patented      | <a href="#">9386165</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/338,807</a> | 07/23/2014                        | Patented      | <a href="#">9094311</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/340,270</a> | 07/24/2014                        | Patented      | <a href="#">9491199</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">17/121,717</a> | 12/14/2020                        | Patented      | <a href="#">11477246</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/947,099</a> | 07/21/2013                        | Patented      | <a href="#">10057775</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/247,998</a> | 09/28/2011                        | Patented      | <a href="#">8725123</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/098,527</a> | 12/05/2013                        | Patented      | <a href="#">9270559</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/309,556</a> | 12/01/2011                        | Patented      | <a href="#">8893009</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/098,523</a> | 12/05/2013                        | Patented      | <a href="#">9351193</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |

| <b>Application #</b>           | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>         | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|--------------------------------|-----------------------------------|---------------|-------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#">14/181,910</a>     | 02/17/2014                        | Patented      | <a href="#">9571559</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/737,748</a>     | 01/09/2013                        | Patented      | <a href="#">9198042</a> | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">PCT/US10/22240</a> | 01/27/2010                        | Published     | -                       | -          | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">13/457,385</a>     | 04/26/2012                        | Patented      | <a href="#">8385916</a> | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">13/866,955</a>     | 04/19/2013                        | Abandoned     | -                       | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">13/866,963</a>     | 04/19/2013                        | Patented      | <a href="#">8695073</a> | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">14/263,604</a>     | 04/28/2014                        | Patented      | <a href="#">9037127</a> | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">14/663,248</a>     | 03/19/2015                        | Patented      | <a href="#">9179315</a> | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">14/678,632</a>     | 04/03/2015                        | Patented      | <a href="#">9204374</a> | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">15/239,398</a>     | 08/17/2016                        | Patented      | <a href="#">9641957</a> | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |

| <b>Application #</b>              | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b>       |
|-----------------------------------|-------------------------------|---------------|---------------------------------|------------|------------------------------|-----------------------------------|
| <a href="#"><u>17/342,136</u></a> | 06/08/2021                    | Patented      | <a href="#"><u>11757942</u></a> | No         | is a Continuation of         | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>17/577,237</u></a> | 01/17/2022                    | Patented      | <a href="#"><u>12184700</u></a> | No         | is a Continuation of         | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/237,827</u></a> | 09/20/2011                    | Patented      | <a href="#"><u>8832777</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/247,998</u></a> | 09/28/2011                    | Patented      | <a href="#"><u>8725123</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/147,394</u></a> | 01/03/2014                    | Patented      | <a href="#"><u>9026079</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>16/907,887</u></a> | 06/22/2020                    | Patented      | <a href="#"><u>11405429</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>18/384,772</u></a> | 10/27/2023                    | Patented      | <a href="#"><u>12184702</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/272,274</u></a> | 05/07/2014                    | Abandoned     | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>18/384,772</u></a> | 10/27/2023                    | Patented      | <a href="#"><u>12184702</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>17/742,190</u></a> | 05/11/2022                    | Patented      | <a href="#"><u>12389217</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">17/833,684</a> | 06/06/2022                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/309,463</a> | 12/01/2011                    | Patented      | <a href="#">8793758</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/947,099</a> | 07/21/2013                    | Patented      | <a href="#">10057775</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/098,527</a> | 12/05/2013                    | Patented      | <a href="#">9270559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/147,394</a> | 01/03/2014                    | Patented      | <a href="#">9026079</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/156,428</a> | 01/15/2014                    | Patented      | <a href="#">9532261</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/272,274</a> | 05/07/2014                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/292,282</a> | 05/30/2014                    | Patented      | <a href="#">9386165</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/680,943</a> | 04/07/2015                    | Patented      | <a href="#">9386121</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/779,605</a> | 07/22/2024                    | Patented      | <a href="#">12524788</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|----------------------------|-----------------------------------|---------------|--------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#">18/969,784</a> | 12/05/2024                        | Pending       | -                        | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/718,917</a> | 12/18/2012                        | Patented      | <a href="#">9247450</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/670,315</a> | 03/26/2015                        | Patented      | <a href="#">9215159</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/684,051</a> | 04/10/2015                        | Patented      | <a href="#">9198074</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/948,082</a> | 11/20/2015                        | Patented      | <a href="#">10165447</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">15/160,520</a> | 05/20/2016                        | Patented      | <a href="#">9973930</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">15/227,814</a> | 08/03/2016                        | Patented      | <a href="#">9647918</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">15/958,430</a> | 04/20/2018                        | Patented      | <a href="#">10462627</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">15/977,766</a> | 05/11/2018                        | Patented      | <a href="#">10237773</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">16/274,405</a> | 02/13/2019                        | Patented      | <a href="#">11039020</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |

| <b>Application #</b>       | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|----------------------------|-----------------------------------|---------------|--------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#">17/063,336</a> | 10/05/2020                        | Patented      | <a href="#">11570309</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">19/089,864</a> | 03/25/2025                        | Pending       | -                        | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| 19/366,368                 | 10/22/2025                        | Pending       | -                        | No         | is a<br>Continuation<br>in-part of | 12/380,780                          |
| <a href="#">13/134,005</a> | 05/25/2011                        | Patented      | <a href="#">8635335</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/948,082</a> | 11/20/2015                        | Patented      | <a href="#">10165447</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">18/384,772</a> | 10/27/2023                        | Patented      | <a href="#">12184702</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/237,827</a> | 09/20/2011                        | Patented      | <a href="#">8832777</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/098,527</a> | 12/05/2013                        | Patented      | <a href="#">9270559</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/473,137</a> | 08/29/2014                        | Patented      | <a href="#">9591474</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">15/976,170</a> | 05/10/2018                        | Patented      | <a href="#">10716006</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">16/214,902</a> | 12/10/2018                    | Patented      | <a href="#">10869199</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/441,821</a> | 04/06/2012                    | Patented      | <a href="#">9755842</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/947,099</a> | 07/21/2013                    | Patented      | <a href="#">10057775</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/181,910</a> | 02/17/2014                    | Patented      | <a href="#">9571559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/703,620</a> | 05/04/2015                    | Patented      | <a href="#">9769207</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/426,251</a> | 05/30/2019                    | Patented      | <a href="#">11190545</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/272,274</a> | 05/07/2014                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/292,282</a> | 05/30/2014                    | Patented      | <a href="#">9386165</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/338,807</a> | 07/23/2014                    | Patented      | <a href="#">9094311</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/102,629</a> | 01/27/2023                    | Patented      | <a href="#">12389218</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>              | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b>       |
|-----------------------------------|-------------------------------|---------------|---------------------------------|------------|------------------------------|-----------------------------------|
| <a href="#"><u>18/384,772</u></a> | 10/27/2023                    | Patented      | <a href="#"><u>12184702</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/441,821</u></a> | 04/06/2012                    | Patented      | <a href="#"><u>9755842</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>15/158,526</u></a> | 05/18/2016                    | Patented      | <a href="#"><u>10492102</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>17/833,684</u></a> | 06/06/2022                    | Pending       | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>18/384,772</u></a> | 10/27/2023                    | Patented      | <a href="#"><u>12184702</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/374,959</u></a> | 01/24/2012                    | Patented      | <a href="#"><u>8606911</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/248,025</u></a> | 09/28/2011                    | Patented      | <a href="#"><u>8924543</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/272,274</u></a> | 05/07/2014                    | Abandoned     | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>17/869,696</u></a> | 07/20/2022                    | Patented      | <a href="#"><u>11973804</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/214,492</u></a> | 03/14/2014                    | Abandoned     | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |

| <b>Application #</b>       | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|----------------------------|-----------------------------------|---------------|--------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#">16/274,405</a> | 02/13/2019                        | Patented      | <a href="#">11039020</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/678,410</a> | 11/15/2012                        | Patented      | <a href="#">8630611</a>  | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">13/742,312</a> | 01/15/2013                        | Patented      | <a href="#">8639811</a>  | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">15/582,350</a> | 04/28/2017                        | Patented      | <a href="#">10321320</a> | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">13/229,580</a> | 09/09/2011                        | Patented      | <a href="#">8626115</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/253,013</a> | 10/04/2011                        | Patented      | <a href="#">8745191</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">13/842,172</a> | 03/15/2013                        | Patented      | <a href="#">9858559</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/098,523</a> | 12/05/2013                        | Patented      | <a href="#">9351193</a>  | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">16/218,721</a> | 12/13/2018                        | Patented      | <a href="#">10841839</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">17/869,696</a> | 07/20/2022                        | Patented      | <a href="#">11973804</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">14/102,436</a> | 12/10/2013                    | Patented      | <a href="#">9253663</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/339,110</a> | 07/23/2014                    | Patented      | <a href="#">9705771</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/441,821</a> | 04/06/2012                    | Patented      | <a href="#">9755842</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/082,040</a> | 11/15/2013                    | Patented      | <a href="#">9609544</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/102,436</a> | 12/10/2013                    | Patented      | <a href="#">9253663</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/158,206</a> | 01/17/2014                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/272,274</a> | 05/07/2014                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/948,082</a> | 11/20/2015                    | Patented      | <a href="#">10165447</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/804,983</a> | 02/28/2020                    | Patented      | <a href="#">11337059</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/441,821</a> | 04/06/2012                    | Patented      | <a href="#">9755842</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>              | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b>       |
|-----------------------------------|-------------------------------|---------------|---------------------------------|------------|------------------------------|-----------------------------------|
| <a href="#"><u>13/593,164</u></a> | 08/23/2012                    | Patented      | <a href="#"><u>8527630</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/612,073</u></a> | 02/02/2015                    | Patented      | <a href="#"><u>9544397</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>16/272,198</u></a> | 02/11/2019                    | Patented      | <a href="#"><u>10855559</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>17/063,176</u></a> | 10/05/2020                    | Abandoned     | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/309,556</u></a> | 12/01/2011                    | Patented      | <a href="#"><u>8893009</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/441,821</u></a> | 04/06/2012                    | Patented      | <a href="#"><u>9755842</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/718,952</u></a> | 12/18/2012                    | Patented      | <a href="#"><u>9204282</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/102,436</u></a> | 12/10/2013                    | Patented      | <a href="#"><u>9253663</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/272,274</u></a> | 05/07/2014                    | Abandoned     | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/960,284</u></a> | 12/04/2015                    | Patented      | <a href="#"><u>9942796</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">15/158,522</a> | 05/18/2016                    | Patented      | <a href="#">9980146</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/946,405</a> | 04/05/2018                    | Patented      | <a href="#">10985977</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/976,170</a> | 05/10/2018                    | Patented      | <a href="#">10716006</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/927,387</a> | 07/13/2020                    | Patented      | <a href="#">12388810</a> | Yes        | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/993,012</a> | 08/13/2020                    | Patented      | <a href="#">11405224</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/630,537</a> | 04/09/2024                    | Patented      | <a href="#">12294602</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">19/182,221</a> | 04/17/2025                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">19/283,039</a> | 07/28/2025                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">19/315,091</a> | 08/29/2025                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/718,936</a> | 12/18/2012                    | Patented      | <a href="#">8630630</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

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|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">13/947,099</a> | 07/21/2013                    | Patented      | <a href="#">10057775</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/082,040</a> | 11/15/2013                    | Patented      | <a href="#">9609544</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/134,028</a> | 05/25/2011                    | Patented      | <a href="#">8589541</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/239,321</a> | 09/21/2011                    | Patented      | <a href="#">8898293</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/941,310</a> | 07/12/2013                    | Patented      | <a href="#">8745220</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/947,099</a> | 07/21/2013                    | Patented      | <a href="#">10057775</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/082,040</a> | 11/15/2013                    | Patented      | <a href="#">9609544</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/338,807</a> | 07/23/2014                    | Patented      | <a href="#">9094311</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/441,821</a> | 04/06/2012                    | Patented      | <a href="#">9755842</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/676,704</a> | 04/01/2015                    | Patented      | <a href="#">9143976</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">15/428,891</a> | 02/09/2017                    | Patented      | <a href="#">10264138</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/446,291</a> | 03/01/2017                    | Patented      | <a href="#">10171681</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/035,403</a> | 09/28/2020                    | Patented      | <a href="#">11425580</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/275,805</a> | 05/12/2014                    | Patented      | <a href="#">9578182</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/551,809</a> | 11/24/2014                    | Patented      | <a href="#">9572019</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/833,684</a> | 06/06/2022                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/181,910</a> | 02/17/2014                    | Patented      | <a href="#">9571559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/309,556</a> | 12/01/2011                    | Patented      | <a href="#">8893009</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/948,082</a> | 11/20/2015                    | Patented      | <a href="#">10165447</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/374,959</a> | 01/24/2012                    | Patented      | <a href="#">8606911</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">16/132,643</a> | 09/17/2018                    | Patented      | <a href="#">10536983</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/941,310</a> | 07/12/2013                    | Patented      | <a href="#">8745220</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/947,099</a> | 07/21/2013                    | Patented      | <a href="#">10057775</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/083,324</a> | 11/18/2013                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/181,910</a> | 02/17/2014                    | Patented      | <a href="#">9571559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/748,152</a> | 01/23/2013                    | Patented      | <a href="#">9557889</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">19/331,282</a> | 09/17/2025                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/275,805</a> | 05/12/2014                    | Patented      | <a href="#">9578182</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/428,891</a> | 02/09/2017                    | Patented      | <a href="#">10264138</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/457,389</a> | 04/26/2012                    | Patented      | <a href="#">8396458</a>  | No         | is a Continuation of         | <a href="#">12/380,780</a>  |

| <b>Application #</b>              | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b>       |
|-----------------------------------|-------------------------------|---------------|---------------------------------|------------|------------------------------|-----------------------------------|
| <a href="#"><u>13/852,933</u></a> | 03/28/2013                    | Patented      | <a href="#"><u>8635678</u></a>  | No         | is a Continuation of         | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/979,233</u></a> | 12/22/2015                    | Patented      | <a href="#"><u>9532161</u></a>  | No         | is a Continuation of         | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/239,321</u></a> | 09/21/2011                    | Patented      | <a href="#"><u>8898293</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/309,463</u></a> | 12/01/2011                    | Patented      | <a href="#"><u>8793758</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/947,099</u></a> | 07/21/2013                    | Patented      | <a href="#"><u>10057775</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/275,805</u></a> | 05/12/2014                    | Patented      | <a href="#"><u>9578182</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/340,270</u></a> | 07/24/2014                    | Patented      | <a href="#"><u>9491199</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>18/136,255</u></a> | 04/18/2023                    | Patented      | <a href="#"><u>12120551</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>90/019,892</u></a> | 03/31/2025                    | Pending       | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/134,005</u></a> | 05/25/2011                    | Patented      | <a href="#"><u>8635335</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |

| <b>Application #</b>              | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|-----------------------------------|-----------------------------------|---------------|---------------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#"><u>13/441,821</u></a> | 04/06/2012                        | Patented      | <a href="#"><u>9755842</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>13/947,099</u></a> | 07/21/2013                        | Patented      | <a href="#"><u>10057775</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/147,394</u></a> | 01/03/2014                        | Patented      | <a href="#"><u>9026079</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/156,428</u></a> | 01/15/2014                        | Patented      | <a href="#"><u>9532261</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>12/694,455</u></a> | 01/27/2010                        | Patented      | <a href="#"><u>8402111</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>13/237,827</u></a> | 09/20/2011                        | Patented      | <a href="#"><u>8832777</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>13/253,013</u></a> | 10/04/2011                        | Patented      | <a href="#"><u>8745191</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>16/118,374</u></a> | 08/30/2018                        | Patented      | <a href="#"><u>10582375</u></a> | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/102,436</u></a> | 12/10/2013                        | Patented      | <a href="#"><u>9253663</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |
| <a href="#"><u>14/682,915</u></a> | 04/09/2015                        | Patented      | <a href="#"><u>9225797</u></a>  | No         | is a<br>Continuation<br>in-part of | <a href="#"><u>12/380,780</u></a>   |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">15/280,922</a> | 09/29/2016                    | Patented      | <a href="#">10057141</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/694,813</a> | 11/25/2019                    | Patented      | <a href="#">11363496</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/718,936</a> | 12/18/2012                    | Patented      | <a href="#">8630630</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/083,324</a> | 11/18/2013                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/156,428</a> | 01/15/2014                    | Patented      | <a href="#">9532261</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/675,113</a> | 03/31/2015                    | Patented      | <a href="#">9137701</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/688,704</a> | 04/16/2015                    | Patented      | <a href="#">9277433</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/839,530</a> | 08/28/2015                    | Patented      | <a href="#">9220027</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/415,022</a> | 01/25/2017                    | Patented      | <a href="#">9955332</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/428,891</a> | 02/09/2017                    | Patented      | <a href="#">10264138</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">15/625,257</a> | 06/16/2017                    | Patented      | <a href="#">9866642</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/681,726</a> | 08/21/2017                    | Patented      | <a href="#">10848330</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/217,705</a> | 12/12/2018                    | Patented      | <a href="#">10779177</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/595,583</a> | 10/08/2019                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/970,436</a> | 10/20/2022                    | Patented      | <a href="#">12137004</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/903,986</a> | 10/01/2024                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/309,463</a> | 12/01/2011                    | Patented      | <a href="#">8793758</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/098,527</a> | 12/05/2013                    | Patented      | <a href="#">9270559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/802,483</a> | 03/13/2013                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/098,523</a> | 12/05/2013                    | Patented      | <a href="#">9351193</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

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|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">14/098,527</a> | 12/05/2013                    | Patented      | <a href="#">9270559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/340,270</a> | 07/24/2014                    | Patented      | <a href="#">9491199</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/948,082</a> | 11/20/2015                    | Patented      | <a href="#">10165447</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/253,013</a> | 10/04/2011                    | Patented      | <a href="#">8745191</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/374,959</a> | 01/24/2012                    | Patented      | <a href="#">8606911</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/102,436</a> | 12/10/2013                    | Patented      | <a href="#">9253663</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/292,282</a> | 05/30/2014                    | Patented      | <a href="#">9386165</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/685,506</a> | 04/13/2015                    | Patented      | <a href="#">9319913</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">15/681,726</a> | 08/21/2017                    | Patented      | <a href="#">10848330</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/833,684</a> | 06/06/2022                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">19/088,587</a> | 03/24/2025                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">19/315,091</a> | 08/29/2025                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/237,827</a> | 09/20/2011                    | Patented      | <a href="#">8832777</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/248,025</a> | 09/28/2011                    | Patented      | <a href="#">8924543</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/292,282</a> | 05/30/2014                    | Patented      | <a href="#">9386165</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/214,902</a> | 12/10/2018                    | Patented      | <a href="#">10869199</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">17/536,541</a> | 11/29/2021                    | Patented      | <a href="#">11968234</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/604,151</a> | 03/13/2024                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/441,821</a> | 04/06/2012                    | Patented      | <a href="#">9755842</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/941,310</a> | 07/12/2013                    | Patented      | <a href="#">8745220</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>       | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>          | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b> |
|----------------------------|-------------------------------|---------------|--------------------------|------------|------------------------------|-----------------------------|
| <a href="#">15/446,279</a> | 03/01/2017                    | Patented      | <a href="#">10171988</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/218,721</a> | 12/13/2018                    | Patented      | <a href="#">10841839</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">18/885,194</a> | 09/13/2024                    | Pending       | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/309,463</a> | 12/01/2011                    | Patented      | <a href="#">8793758</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/309,556</a> | 12/01/2011                    | Patented      | <a href="#">8893009</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/842,172</a> | 03/15/2013                    | Patented      | <a href="#">9858559</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">13/947,099</a> | 07/21/2013                    | Patented      | <a href="#">10057775</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/339,110</a> | 07/23/2014                    | Patented      | <a href="#">9705771</a>  | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">16/214,902</a> | 12/10/2018                    | Patented      | <a href="#">10869199</a> | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |
| <a href="#">14/272,274</a> | 05/07/2014                    | Abandoned     | -                        | No         | is a Continuation in-part of | <a href="#">12/380,780</a>  |

| <b>Application #</b>              | <b>Filing or 371 (c) date</b> | <b>Status</b> | <b>Patent #</b>                 | <b>AIA</b> | <b>Description</b>           | <b>Parent application #</b>       |
|-----------------------------------|-------------------------------|---------------|---------------------------------|------------|------------------------------|-----------------------------------|
| <a href="#"><u>17/121,717</u></a> | 12/14/2020                    | Patented      | <a href="#"><u>11477246</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>18/384,772</u></a> | 10/27/2023                    | Patented      | <a href="#"><u>12184702</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/941,310</u></a> | 07/12/2013                    | Patented      | <a href="#"><u>8745220</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/948,082</u></a> | 11/20/2015                    | Patented      | <a href="#"><u>10165447</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>16/214,902</u></a> | 12/10/2018                    | Patented      | <a href="#"><u>10869199</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>16/740,625</u></a> | 01/13/2020                    | Patented      | <a href="#"><u>11219074</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>18/968,336</u></a> | 12/04/2024                    | Pending       | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>14/214,492</u></a> | 03/14/2014                    | Abandoned     | -                               | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>16/214,902</u></a> | 12/10/2018                    | Patented      | <a href="#"><u>10869199</u></a> | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |
| <a href="#"><u>13/309,556</u></a> | 12/01/2011                    | Patented      | <a href="#"><u>8893009</u></a>  | No         | is a Continuation in-part of | <a href="#"><u>12/380,780</u></a> |

| <b>Application #</b>           | <b>Filing or<br/>371 (c) date</b> | <b>Status</b> | <b>Patent #</b>         | <b>AIA</b> | <b>Description</b>                 | <b>Parent<br/>application<br/>#</b> |
|--------------------------------|-----------------------------------|---------------|-------------------------|------------|------------------------------------|-------------------------------------|
| <a href="#">14/098,523</a>     | 12/05/2013                        | Patented      | <a href="#">9351193</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/181,910</a>     | 02/17/2014                        | Patented      | <a href="#">9571559</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">14/098,523</a>     | 12/05/2013                        | Patented      | <a href="#">9351193</a> | No         | is a<br>Continuation<br>in-part of | <a href="#">12/380,780</a>          |
| <a href="#">PCT/US10/22235</a> | 01/27/2010                        | Published     | -                       | -          | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">PCT/US10/22238</a> | 01/27/2010                        | Published     | -                       | -          | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |
| <a href="#">15/211,430</a>     | 07/15/2016                        | Patented      | <a href="#">9615192</a> | No         | is a<br>Continuation<br>of         | <a href="#">12/380,780</a>          |