

# WEST Search History for Application 12901616

Creation Date: 2013100501:23

## Prior Art Searches

Query	DB	Op.	Plur.	Thes.	Date
20110026496 and (unique near2 symbol\$) and (prefer\$5 near3 weight\$2)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
20110026496 and (unique near4 symbol\$) and (susequent\$3 near3 weight\$2)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
20110026496 and (unique near4 symbol\$) and (weight\$2)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
(antenna\$2 near3 (weight\$ or gain\$)) same (pilot\$) same (cdma or (spread near2 spectrum)) same (((antenna or spacial) near3 diversity) or mimo or miso)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
mesecher.inv.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
@ad<=19990910	PGPB, USPT, USOC,	OR	YES		10-05-2013

	EPAB, JPAB, DWPI, TDBD				
((antenna\$2 near3 (weight\$ or gain\$)) same (pilot\$) same (cdma or (spread near2 spectrum)) same (((antenna or spacial) near3 diversity) or mimo or miso) ) and (mesecher.inv. )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((antenna\$2 near3 (weight\$ or gain\$)) same (pilot\$) same (cdma or (spread near2 spectrum)) same (((antenna or spacial) near3 diversity) or mimo or miso) ) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
(375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
375/\$8.ccls. or 455/\$8.ccls. or 370/\$8.ccls.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
( antenna\$2 near3 (weight\$ or gain\$ or beaom\$3)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and ((feed or close\$2) near3 loop) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
(antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB,	OR	YES		10-05-2013

	DWPI, TDBD				
((antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad<=19990910 ) and ((375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad<=19990910 ) and (375/\$8.ccls. or 455/\$8.ccls. or 370/\$8.ccls. ) not ((antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad<=19990910 and (375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((feed or close\$2) near3 loop) same (antenna\$2 near3 (weight\$ or gain\$ or beam\$3)) same (cdma or (spread near2 spectrum)) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((feed or close\$2) near3 loop) and (antenna\$2 near3 (weight\$ or gain\$ or beam\$3)) and (cdma or (spread near2 spectrum)) and (@ad<=19990910 ) not ( ((antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad<=19990910 and (375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013

<p>(370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. ) or ((antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 and 375/\$8.ccls. or 455/\$8.ccls. or 370/\$8.ccls. not (antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 and (375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. ) ((antenna\$2 near3 (weight\$ or gain\$ or beam\$3)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and ((feed or close\$2) near3 loop) and @ad&lt;=19990910 ) or ((antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 ) )</p>					
<p>((feed or close\$2) near3 loop) and (antenna\$2 near3 (weight\$ or gain\$ or beam\$3)) and (cdma or (spread near2 spectrum)) and (@ad&lt;=19990910 ) not ( ((antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 and (375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. ) or ((antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 and 375/\$8.ccls. or 455/\$8.ccls. or 370/\$8.ccls. not (antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 and (375/130).ccls. or (375/140).ccls. or (375/141).ccls. or</p>	<p>PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD</p>	<p>OR</p>	<p>YES</p>		<p>10-05-2013</p>

<p>(375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. ) or ((antenna\$2 near3 (weight\$ or gain\$ or beam\$3)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and ((feed or close\$2) near3 loop) and @ad&lt;=19990910 ) or ((antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 ) )</p>					
<p>((feed or close\$2) near3 loop) and (antenna\$2 near3 (weight\$ or gain\$ or beam\$3)) and (cdma or (spread near2 spectrum)) and @ad&lt;=19990910 not ((antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 and (375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. or (antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 and 375/\$8.ccls. or 455/\$8.ccls. or 370/\$8.ccls. not (antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 and (375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. or (antenna\$2 near3 (weight\$ or gain\$ or beam\$3)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and ((feed or close\$2) near3 loop) and @ad&lt;=19990910 or (antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread</p>	<p>PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD</p>	<p>OR</p>	<p>YES</p>		<p>10-05-2013</p>

<p>near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 ) ) and ((375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. )</p>					
<p>((feed or close\$2) near3 loop) and (antenna\$2 near3 (weight\$ or gain\$ or beam\$3)) and (cdma or (spread near2 spectrum)) and @ad&lt;=19990910 not ((antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 and (375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. or (antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 and 375/\$8.ccls. or 455/\$8.ccls. or 370/\$8.ccls. not (antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 and (375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. or (antenna\$2 near3 (weight\$ or gain\$ or beaom\$3)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and ((feed or close\$2) near3 loop) and @ad&lt;=19990910 or (antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad&lt;=19990910 ) ) and (375/\$8.ccls. or 455/\$8.ccls. or 370/\$8.ccls. ) not (((feed or close\$2) near3 loop) and (antenna\$2 near3 (weight\$ or</p>	<p>PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD</p>	<p>OR</p>	<p>YES</p>		<p>10-05-2013</p>

gain\$ or beam\$3)) and (cdma or (spread near2 spectrum)) and @ad<=19990910 not ((antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad<=19990910 and (375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. or (antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad<=19990910 and 375/\$8.ccls. or 455/\$8.ccls. or 370/\$8.ccls. not (antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad<=19990910 and (375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. or (antenna\$2 near3 (weight\$ or gain\$ or beam\$3)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and ((feed or close\$2) near3 loop) and @ad<=19990910 or (antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad<=19990910 ) and (375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. )

("20010030993"|"20020003846"|"20020122510"  
 "20020150187"|"20020154704"|"20020181430"  
 "20030013468"|"20030053524"|"20030058929"  
 "20030092456"|"3662268"|"4736460"|"4901307"  
 "5146475"|"5319677"|"5331666"|"5381443"

PGPB,  
 USPT,  
 USOC,  
 EPAB,  
 JPAB,

OR

YES

10-05-2013

<p>"5457704" "5493563" "5623511" "5652764"  "5673294" "5680419" "5694388" "5757791"  "5809020" "5812542" "5822380" "5822701"  "5886987" "5903834" "5933424" "5952968"  "5982327" "5991332" "6009074" "6026130"  "6044120" "6067324" "6069884" "6081566"  "6108517" "6147985" "6148041" "6154443"  "6160801" "6161209" "6215762" "6335954"  "6385181" "6434366" "6459740" "6470047"  "6470192" "6483866" "6484285" "6501788"  "6501803" "6556634" "6647070" "6694154"  "6697441" "6731700" "6870825").PN.</p>	<p>DWPI, TDBD</p>				
<p>(("20010030993" "20020003846" "20020122510"  "20020150187" "20020154704" "20020181430"  "20030013468" "20030053524" "20030058929"  "20030092456" "3662268" "4736460" "4901307"  "5146475" "5319677" "5331666" "5381443"  "5457704" "5493563" "5623511" "5652764"  "5673294" "5680419" "5694388" "5757791"  "5809020" "5812542" "5822380" "5822701"  "5886987" "5903834" "5933424" "5952968"  "5982327" "5991332" "6009074" "6026130"  "6044120" "6067324" "6069884" "6081566"  "6108517" "6147985" "6148041" "6154443"  "6160801" "6161209" "6215762" "6335954"  "6385181" "6434366" "6459740" "6470047"  "6470192" "6483866" "6484285" "6501788"  "6501803" "6556634" "6647070" "6694154"  "6697441" "6731700" "6870825").PN. ) and ((feed or  close\$2) near3 loop) and (antenna\$2 near3 (weight\$ or  gain\$ or beam\$3)) and (cdma or (spread near2  spectrum))</p>	<p>PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD</p>	<p>OR</p>	<p>YES</p>		<p>10-05-2013</p>
<p>(bocure.xp. or bocure.xa.) and (((feedback or close\$2)  near3 loop) same (antenna\$2 near3 (weight\$ or gain\$ or  beam\$3))) and (cdma or (spread near2 spectrum))</p>	<p>PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD</p>	<p>OR</p>	<p>YES</p>		<p>10-05-2013</p>
<p>6385187.pn. or 6542471.pn. or 6704370.pn. or  6791960.pn.</p>	<p>PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD</p>	<p>OR</p>	<p>YES</p>		<p>10-05-2013</p>
<p>20110026496 and (preferred near2 weight\$) and  (subsequent\$3 near3 weight\$2)</p>	<p>PGPB, USPT,</p>	<p>OR</p>	<p>YES</p>		<p>10-05-2013</p>



	USOC, EPAB, JPAB, DWPI, TDBD				
<b>20110026496 and (preferred near2 weight\$) same (subsequent\$3)</b>	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
<b>20110026496 and (preferred near2 weight\$) and (subsequent\$3)</b>	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
<b>20110026496 and (preferred near2 weight\$)</b>	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
<b>20110026496 and (subsequent\$3)</b>	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
<b>20110026496 and (prefer\$5 near2 weight\$)</b>	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
<b>((feed or close\$2) near3 loop) and (antenna\$2 near3 (weight\$ or gain\$ or beam\$3)) and (cdma or (spread near2 spectrum)) and (diversity near3 combin\$3) and (@ad&lt;=19990910 )</b>	PGPB, USPT, USOC, EPAB, JPAB, DWPI,	OR	YES		10-05-2013

	TDBD				
((feed or close\$2) near3 loop) and (antenna\$2 near3 (weight\$ or gain\$ or beam\$3)) and (cdma or (spread near2 spectrum)) and (((adaptiv\$4 or adjust\$) near3 weight\$) same (diversity near3 combin\$3)) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((feed or close\$2) near3 loop) and (cdma or (spread near2 spectrum)) and (((adaptiv\$4 or adjust\$) near3 weight\$) same (diversity near3 combin\$3)) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
(cdma or (spread near2 spectrum)) same (diversity near3 combin\$3) same (adapt\$4 near3 weight\$3) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
(diversity near3 combin\$3) same (adapt\$4 near3 weight\$3) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((feed or close\$2) near3 loop) and (adaptiv\$4 near3 (weight\$ or gain\$ or beam\$3)) and (cdma or (spread near2 spectrum)) and (diversity near3 combin\$3) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((feed or close\$2) near3 loop) and (adaptiv\$4 near3 weight\$) and (cdma or (spread near2 spectrum)) and (diversity near3 combin\$3) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
(bocure.xp. or bocure.xa.) and (((feedback or close\$2) near3 loop) same (adaptiv\$4 near3 weight\$)) and (cdma or (spread near2 spectrum))	PGPB, USPT, USOC,	OR	YES		10-05-2013

	EPAB, JPAB, DWPI, TDBD				
('5999826'   '6167039'   '6567462'   '6754473'   '6831943'   '6839326'   '6961545'   '20010031647'   '20020019235'   '20020186779'   '20030003873'   '20030017835'   '20030035490'):[pn]	USPT, PGPB	OR	YES		10-05-2013
((feed or close\$2) near3 loop) and (antenna\$2 near3 (weight\$ or gain\$ or beam\$3)) and (cdma or (spread near2 spectrum)) and @ad<=19990910 not ((antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad<=19990910 and (375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. or (antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad<=19990910 and 375/\$8.ccls. or 455/\$8.ccls. or 370/\$8.ccls. not (antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad<=19990910 and (375/130).ccls. or (375/140).ccls. or (375/141).ccls. or (375/144).ccls. or (375/145).ccls. or (375/146).ccls. or (375/147).ccls. or (375/148).ccls. or (375/267).ccls. or (375/299).ccls. or (375/295).ccls. or (375/316).ccls. or (375/346).ccls. or (375/347).ccls. or (370/335).ccls. or (370/342).ccls. or (370/441).ccls. or (455/39).ccls. or (455/73).ccls. or (455/91).ccls. or (455/101).ccls. or (455/132).ccls. or (455/133).ccls. or (455/134).ccls. or (455/135).ccls. or (antenna\$2 near3 (weight\$ or gain\$ or beam\$3)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and ((feed or close\$2) near3 loop) and @ad<=19990910 or (antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and @ad<=19990910 ) ) and (adaptiv\$4 near4 weight\$)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((feed or close\$2) near3 loop) same (adaptiv\$4 near3 (weight\$ or gain\$ or beam\$3)) and ((diversity near3 combin\$3) same (adaptiv\$4 near4 weight\$)) and	PGPB, USPT, USOC,	OR	YES		10-05-2013

(@ad<=19990910 )	EPAB, JPAB, DWPI, TDBD				
((feed or close\$2) near3 loop) same (adaptiv\$4 near3 (weight\$ or gain\$ or beam\$3)) and ((diversity near3 combin\$3) same (weight\$)) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((feed or close\$2) near3 loop) same (adaptiv\$4 near3 (weight\$ or gain\$ or beam\$3)) and ((mimo near5 combin\$3) same (weight\$)) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((feed or close\$2) near3 loop) same (adaptiv\$4 near3 (weight\$ or gain\$ or beam\$3)) and ((weight\$ or coefficient\$) near5 combin\$4) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
(antenna\$2 near3 (weight\$ or gain\$)) and (pilot\$) and (cdma or (spread near2 spectrum)) and (((antenna or spacial) near3 diversity) or mimo or miso) and ((weight\$ or coefficient\$) near5 combin\$4) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((combin\$4 or adding) near3 antenna\$2 near3 weight\$) and (pilot\$) and (cdma or (spread near2 spectrum)) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
20110026496 and (unique near4 symbol\$) and (subsequent\$3 same weight\$2)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013

<b>20110026496 and (combin\$4 same subsequent\$3 same weight\$2)</b>	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
<b>20110026496 and (combin\$4 same preferr\$3 same weight\$2)</b>	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
<b>20110026496 and (preferr\$3 same weight\$2)</b>	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
<b>20110026496 and (prefer\$4 same weight\$2)</b>	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
<b>20110026496 and (combin\$4 same weight\$2)</b>	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
<b>6359864.pn. or 5812542.pn.</b>	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
<b>((feedback or close\$2) near\$3 loop) same (antenna\$2 near\$3 (weight\$ or gain\$ or beam\$3) near\$4 combin\$3) and (@ad&lt;=19990910 )</b>	PGPB, USPT, USOC, EPAB,	OR	YES		10-05-2013

	JPAB, DWPI, TDBD				
((feedback or close\$2) near3 loop) same (antenna\$2 near3 (weight\$3 or gain\$3 or beam\$33) near4 combin\$3) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((feedback or close\$2) near3 loop) same (antenna\$2 near3 (weight\$3 or gain\$3 or beam\$33) same combin\$4) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((assign\$4 or allocat\$3) near4 pilot\$ near4 antenna\$) same combin\$4 same weigh\$4	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((assign\$4 or allocat\$3) near4 pilot\$ near4 antenna\$) same combin\$4 same weigh\$4 and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((assign\$4 or apportion\$4 or allocat\$4 or allot\$4) near4 pilot\$ near4 antenna\$) and (combin\$4 same weigh\$4) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((combin\$3 or adding) near4 (antenna\$ near4 weight\$3)) same (base near3 (station\$ or unit\$)) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
		OR	YES		10-05-2013

((feed or close\$2) near3 loop) and ((combin\$3 or adding) same (antenna\$2 near3 (weight\$ or gain\$ or beam\$3))) and (cdma or (spread near2 spectrum)) and (base near3 (station\$ or unit\$)) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD				
((feedback or close\$2) near3 loop) same((combin\$3 or adding) near5 (antenna\$2 near3 (weight\$ or gain\$ or beam\$3))) same (base near3 (station\$ or unit\$)) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((feedback or close\$2) near3 loop) same((combin\$3 or adding) near5 (antenna\$2 near3 (weight\$ or gain\$ or beam\$3))) and (base near3 (station\$ or unit\$)) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((feed or close\$2) near3 loop) same ((combin\$3 or adding) same ((antenna\$2 or matrix\$ or matric\$2) near4 (weight\$ or gain\$ or beam\$3))) and (cdma or (spread near2 spectrum)) same (pilot\$) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((feed or close\$2) near3 loop) same ((combin\$3 or adding) and ((antenna\$2 or matrix\$ or matric\$2) near4 (weight\$ or gain\$ or beam\$3))) and (cdma or (spread near2 spectrum)) and (pilot\$) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((feed or close\$2) near3 loop) and ((combin\$3 or adding) and ((antenna\$2 or matrix\$ or matric\$2) near4 (weight\$ or gain\$ or beam\$3))) and (cdma or (spread near2 spectrum)) and (pilot\$) and (@ad<=19990910 )	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		10-05-2013
((feed or close\$2) near3 loop) and ((diversity\$ near4 (combin\$3 or adding)) and ((antenna\$2 or matrix\$ or matric\$2) near4 (weight\$ or gain\$ or beam\$3))) and (cdma or (spread near2 spectrum)) and (pilot\$) and	PGPB, USPT, USOC, EPAB,	OR	YES		10-05-2013

<p style="text-align: center;">(@ad&lt;=19990910 )</p>	<p>JPAB, DWPI, TDBD</p>				
<p>(diversity near3 (combin\$3 or adding)) same((antenna\$2 or matrix\$ or matric\$2) near4 (weight\$ or gain\$ or beam\$3)) same (pilot\$) and (@ad&lt;=19990910 )</p>	<p>PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD</p>	<p>OR</p>	<p>YES</p>		<p>10-05-2013</p>
<p>6542471.pn. or 6704370.pn. or 6791960.pn.</p>	<p>PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD</p>	<p>OR</p>	<p>YES</p>		<p>10-05-2013</p>