### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#### BEFORE THE PATENT TRIAL AND APPEAL BOARD

COALITION FOR AFFORDABLE DRUGS X LLC, Petitioner,

 $V_{ullet}$ 

ANACOR PHARMACEUTICALS, INC., Patent Owner.

Case No. IPR2015-01776 Patent No. 7,582,621

PATENT OWNER'S RESPONSE PURSUANT TO 37 C.F.R. § 42.120



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| B. | Petitioner has not established that Claims 1-12 are unpatentable over <i>Austin</i> and <i>Brehove</i> (Ground 1) |   |   |    |  |  |
|----|---|---|---|----|--|--|
|    | 1.  | Even if <i>Austin</i> and <i>Brehove</i> were combined, that combination would not disclose every limitation of any claim   |   |    |  |  |
|    | 2.  | A POSA in 2005 would understand that <i>Brehove</i> is not credible   |   |    |  |  |
|    | 3.  | Petitioner has not shown that there would have been reason to combine <i>Austin</i> and <i>Brehove</i>  |   |    |  |  |
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|    | 5.  | Under Petitioner's theory that boron-containing compounds share similar functional features, <i>Freeman</i> establishes that a POSA would have expected <i>Brehove's</i> dioxaborinanes to be unsafe and ineffective for therapeutic antifungal use |   |    |  |  |
| C. | Petitioner has not established that Claims 1-12 are unpatentable over <i>Austin</i> and <i>Freeman</i> (Ground 2) |   |   |    |  |  |
|    | 1.  | Ground 2 fails for many of the same reasons as Ground 1   |   |    |  |  |
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