Demonstratives of Petitioner blueb

The United States Patent and Trademark Office – Before the Patent Trademark Diuebird bio, Inc., Petitioner / Sloan Kettering Institute for Cancer Res

*San Rocco Therapeutics responded on behalf of Patent

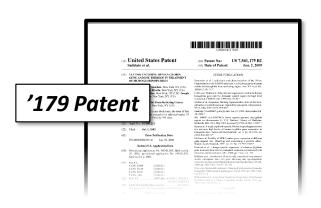
IPR2023-00070 (U.S. Patent No. 7,541,179) IPR2023-00074 (U.S. Patent No. 8,058,061)

Oral Hearing: January 24, 2024

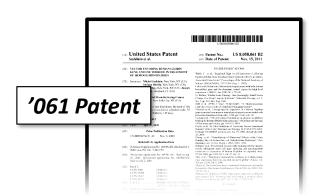
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Representative Challenged Cla



1. A recombinant vector comprising a nucleic aciding a functional globin operably linked to a 3.2-kb nufragment which consists essentially of three connucleotide fragments obtainable from a human locus control region (LCR), the three fragments being and SnaBI HS2-spanning nucleotide fragment of said BamHI and HindIII HS3-spanning nucleotide fragsaid LCR and a BamHI and BanII HS4-spanning nufragment of said LCR, said vector providing expressing lobin in a mammal in vivo.



1. An isolated mammalian hematopoietic progenite an isolated mammalian stem cell comprising a recollentiviral vector which comprises a nucleic acid encurred functional globin operably linked to a 3.2-kb nucleot ment which consists essentially of three contiguous otide fragments obtainable from a human β-globin lottrol region (LCR), the three fragments being a Bs SnaBl, HS2-spanning nucleotide fragment of said BamHI and HindIII, HS3-spanning nucleotide fragment of said LCR, and a BamHI and BanII, HS4-spanning nufragment of said LCR, said vector providing expressing globin in a mammal in vivo.



Instituted Grounds

'179 Patent (IPR2023-00070)	Ground 1	The May Thesis Anticipates Claims 1, 19, and 22
	Ground 2	The May Article Anticipates Claims 1, 18, and 22
	Ground 3	The May Article Renders Claims 1, 19, and 22 Obvious
	Ground 4	The May Abstract Renders Claims 1, 10, 19, and 22 Obvious
'061 Patent (IPR2023-00074)	Ground 1	The May Thesis Anticipates Claims 1, 2, 6-7, and 11
	Ground 2	The May Thesis in View of Himanen Renders Claim 5 Obvious
	Ground 3	The May Article Anticipates Claims 1, 2, 6-7, and 11
	Ground 4	The May Article Renders Claims 1, 2, 6-7, and 11 Obvious
	Ground 5	The <i>May Article</i> in View of <i>Himanen</i> Renders Claim 5 Obviou
	Ground 6	The May Abstract Renders Claims 1, 2, 6-8, 11, and 15 Obvio
	Ground 7	The May Abstract in View of Himanen Renders Claim 5 Obvio



Agenda

- Lack of written description support in the provisional app
- The May Article invalidity grounds
- The May Abstract invalidity grounds
- The May Thesis invalidity grounds



Agenda

- Lack of written description support in the provisional ap
- The May Article invalidity grounds
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- The May Thesis invalidity grounds



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