UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD

NALOX-1 PHARMACEUTICALS, LLC,
Petitioner

v.

OPIANT PHARMACEUTICALS, INC.,
Patent Owner

IPR2019-00688 U.S. Patent No. 9,468,747

DECLARATION OF GÜNTHER HOCHHAUS, Ph.D.



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1.	pharm have 10 mg	known physical, chemical, biopharmaceutical and nacological properties of naloxone and prior art would motivated a Pharmacologist POSA to use a range of 2 to g naloxone per dose, if not up to 20 mg per dose, in an nasal solution with a reasonable expectation of success31				
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4.	A Pharmacologist POSA would have been motivated to design an intranasal solution of naloxone that achieved a T_{max} within about 20-30 minutes, with a reasonable expectation of success.					
5.	the ro	armacologist POSA would have been able to choose from outine pharmaceutical excipients disclosed in prior art one formulations, to achieve high exposure levels, with a nable expectation of success				
	(a)	A Pharmacologist POSA would have expected the inclusion of sodium chloride in a naloxone intranasal formulation to achieve high exposure levels, consistent with the Wyse intranasal formulations.				
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				inclusion of disodium EDTA in a naloxone intranasal formulation to achieve high exposure levels, consistent with the Wyse intranasal formulations.	.43		
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