

Petitioner Liquidia Technologies, Inc.

Oral Argument Demonstratives

May 13, 2022

*Liquidia Technologies, Inc. v.
United Therapeutics Corp.,
IPR2021-00406*

U.S. Patent No. 10,716,793

Petitioner's Ex. 1134 – IPR2021-00406

Person of Ordinary Skill in the Art

TIVE EXHIBIT – NOT EVIDENCE

Person of Ordinary Skill in the Art: No Dispute that Dr. Hill, Dr. Gonda, Dr. Waxman, and Dr. McConville are POSAs

Liquidia Proposed Definition

Method of treating pulmonary hypertension:
Medical degree with a specialty in pulmonology or cardiology, plus at least two years of experience treating patients with pulmonary hypertension as an attending, including with inhaled therapies, or equivalent degree or experience.

Inhaled formulations used in the method to treat pulmonary hypertension:
Ph.D. in pharmaceutical science or a related discipline like chemistry or medicinal chemistry, plus two years of experience in pharmaceutical formulations, including inhaled products, or equivalent (e.g., an M.S. in the same fields, plus 5 years of experience).

UTC Proposed Definition

M.D. or a graduate degree (Masters or Ph.D.) in a field relating to drug development and at least two years practical experience in either (i) the investigation or treatment of pulmonary hypertension; or (ii) in the development of potential drug candidates, specifically in the delivery of drugs by inhalation.

Grounds and Claims

EXHIBIT – NOT EVIDENCE

Grounds for Consideration

Ground 1 (Claims 1-8): '212 Patent, Voswinckel JESC, Voswinckel JAHA

- '212 Patent = treatment of pulmonary hypertension with inhaled treprostinil, inhalation devices, solution and powder formulations
- Voswinckel JESC = therapeutically effective single event dose of 15-90 μ g
- Voswinckel JAHA = 3 breaths

Ground 2 (Claims 1-8): '212 Patent, Voswinckel JESC

- '212 Patent = treatment of pulmonary hypertension with inhaled treprostinil, inhalation devices, solution and powder formulations
- Voswinckel JESC = therapeutically effective single event dose of 15-90 μ g and routine optimization to achieve 3 breaths

All are UTC publications.

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