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## **Raptohna Ltd. CPAP research, design and manufacturing licence**

Raptohna Ltd. has been awarded a 3 year licence to undertake research, design and manufacturing of University College London's CPAP device.

The CPAP has been developed as a collaboration between UCL, University College London Hospital and Mercedes-AMG High Performance Powertrains.

Known as the UCL-Ventura breathing aid this is a Continuous Positive Airway Pressure (CPAP) device ("the CPAP"). The CPAP supports patients with breathing difficulties. It works by pushing an air-oxygen mix into the mouth and nose at a continuous pressure, keeping airways open and increasing the amount of oxygen entering the blood stream. This breathing aid can be used to help Covid-19 patients with serious respiratory problems to breathe more easily and has been shown to help prevent the need for invasive ventilation.

The design is based on an existing off-patent CPAP system that has been further modified to optimise oxygen consumption.

