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# (12) United States Patent Djupesland et al.

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(54) NASAL DELIVERY

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# (57) ABSTRACT

A nasal delivery device for and method of delivering substance to a nasal cavity of a subject, the delivery device comprising: a nosepiece for fitting to a nostril of a subject, wherein the nosepiece comprises a tip element which includes a delivery aperture from which substance is in use delivered into the nasal cavity, and the tip element is at least in part tapered such as to be inclined to a longitudinal axis of the nosepiece, with the delivery aperture extending both laterally across the tip element and along a longitudinal extent of the tip element; a nozzle through which substance is in use delivered, preferably substantially axially to a longitudinal axis of the nosepiece, to the respective nasal cavity; and a delivery unit for delivering substance through the nozzle of the nosepiece.

## 51 Claims, 28 Drawing Sheets

