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(54) Title: PROCESS FOR THE PRODUCTION OF POWDERED PULMONARY SURFACTANT PREPARATIONS

(54) Bezeichnung: VERFAHREN ZUR HERSTELLUNG VON PULVERFÖRMIGEN LUNGENSURFACTANT-ZUBEREITUNGEN

(57) Abstract

The invention concerns a process for the production of a powdered pulmonary surfactant preparation containing a hydrophobic protein serving as a pulmonary surfactant characterized by the fact that an organic solution or suspension containing a hydrophobic protein serving as a pulmonary surfactant and possibly other components is subject to spray drying. Powder preparations are obtained that exhibit very good stability under storage, are easy to reconstitute and which are also suitable for administration by inhalation.

(57) Zusammenfassung

Es wird ein Verfahren zur Herstellung einer pulverförmigen Lungensurfactant-Zubereitung enthaltend hydrophobe Lungensurfactant-Proteine beschrieben, das dadurch gekennzeichnet ist, daß man eine organische Lösung oder Suspension enthaltend hydrophobe Lungensurfactant-Proteine und gewünschtenfalls weitere Bestandteile einer Sprühtrocknung unterwirft. Man erhält sehr gut lagerstabile, einfach zu rekonstituierende Pulverzubereitungen, die sich auch zur inhalativen Verabreichung eignen.