(19) INDIA

(22) Date of filing of Application :22/04/2022 (43) Publication Date : 27/10/2023

## (54) Title of the invention : LYOPHILLIZED SURFACE MODIFIED FORMOTEROL-STEARYLAMINE SOLID LIPID NANOPARTICLES AND COMPOSITIONS THEREOF

(51) International classification	:A61K0047260000, A61K0009510000, A61K0009190000, A61K0031180000, A61K0047400000	
(31) Priority Document No	:NA	(72)Name of Inventor:
(32) Priority Date	:NA	1)KRISHNAMURTHY, Praveen Thaggikuppe
(33) Name of priority country	:NA	2)Piyongsola
(86) International Application No	:PCT//	3)GARIKAPATI, Kusuma Kumari
Filing Date	:01/01/1900	4)VEERABHADRAPPA, Gangadharappa Hosahalli
(87) International Publication No	: NA	5)BYRAN, Gowramma
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	6)CHINTAMANENI, Pavan kumar 7)KUMARI, Mamta 8)AMMU, Veera. Venkata. Vajra. Ravi KiranJSS College of
(62) Divisional to Application Number	:NA	Pharmacy
Filing Date	:NA	

## (57) Abstract:

This invention discloses novel Lyophilized surface modified Formoterol-stearylamine solid lipid nanoparticles. More particularly, the invention discloses novel pharmaceutical compositions comprising Lyophilized Formoterol-stearylamine solid lipid nanoparticles surface modified with polysorbate 80 that can cross blood bran barrier and process for preparation thereof.

No. of Pages: 56 No. of Claims: 6