

(54) Title of the invention : NANO OLEUM: AN HYBRID SECONDARY DRESSING PAD.

(51) International classification :B82Y0040000000, B82Y0030000000, B60K0006445000, B60K0006480000, A01C0001060000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

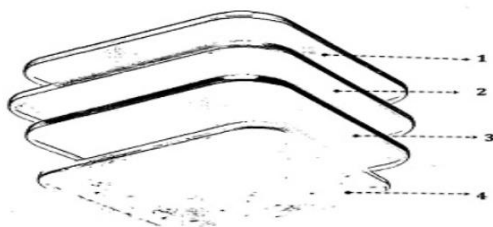
(71)Name of Applicant :
1)PANDIT DEENDAYAL ENERGY UNIVERSITY
 Address of Applicant :PANDIT DEENDAYAL ENERGY UNIVERSITY KNOWLEDGE CORRIDOR, RAISAN VILLAGE, GANDHINAGAR, GUJARAT, INDIA - 382 007. -----
Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :
1)DR.S.SUNDAR MANOHARAN
 Address of Applicant :PANDIT DEENDAYAL ENERGY UNIVERSITY KNOWLEDGE CORRIDOR, RAISAN VILLAGE, GANDHINAGAR, GUJARAT, INDIA - 382 007. -----
2)MR.DARSHAN N LADVA
 Address of Applicant :PANDIT DEENDAYAL ENERGY UNIVERSITY KNOWLEDGE CORRIDOR, RAISAN VILLAGE, GANDHINAGAR, GUJARAT, INDIA - 382 007. -----
3)DR.P.S.PRADEEP
 Address of Applicant :PANDIT DEENDAYAL ENERGY UNIVERSITY KNOWLEDGE CORRIDOR, RAISAN VILLAGE, GANDHINAGAR, GUJARAT, INDIA - 382 007. -----
4)DR.D.SIVARAMAN
 Address of Applicant :PANDIT DEENDAYAL ENERGY UNIVERSITY KNOWLEDGE CORRIDOR, RAISAN VILLAGE, GANDHINAGAR, GUJARAT, INDIA - 382 007. -----
5)DR.SAM SCUDDER
 Address of Applicant :PANDIT DEENDAYAL ENERGY UNIVERSITY KNOWLEDGE CORRIDOR, RAISAN VILLAGE, GANDHINAGAR, GUJARAT, INDIA - 382 007. -----
6)MISS.GRISHMA KANTIBHAI CHITRODA
 Address of Applicant :PANDIT DEENDAYAL ENERGY UNIVERSITY KNOWLEDGE CORRIDOR, RAISAN VILLAGE, GANDHINAGAR, GUJARAT, INDIA - 382 007. -----

(57) Abstract :

The present invention relate to a bilayered secondary dressing pad comprising an ultrafine fibrous framework administered or ladened with a combination of polymers, polysaccharides, fatty acids, glycoproteins and glycolipids. The dressing pad scaffolds produced from the current technologies of electrospinning and phase separation are either lack of 3D oriented fibrous structure or too compact to be penetrated by cells. The hybrid external dressing pad with the advantage of an ultrafine polymeric scaffold may exert additional protection to the underlying primary dressing bandages and also absorbs wound exudates, render anti-microbial property, and prevents the entry of pathogen from the external environment.

Figure 1



No. of Pages : 10 No. of Claims : 10