

FILM CONTAINING ALGINATE MEMBRANE AND MANUFACTURING METHOD OF THE SAME

ABSTRACT

A film containing alginate membrane and a manufacturing
5 method of the same are revealed. A film carrier is used to
absorb liquid and is treated by two separate and continuous
coating processes. At least one surface of the film carrier is
coated with a layer of alginate solution containing a certain
percent of sodium alginate or potassium alginate by weight and
10 then is coated with a layer of salt water solution containing a
certain percent of divalent metal ions. Then crosslinking
occurs between the alginate in the alginate solution and the
divalent metal ions in the salt solution on the surface of the
film carrier or infiltrating into the film carrier so as to form a
15 hydrogel complex membrane having a network structure. Thus
the continuous and fast mass-production of the film is
achieved.

Fig. 2