

Title (en)

SOLUBLE ORAL PATCH WITH COLLAGEN AND INTERLACED ACTIVE INGREDIENTS

Title (de)

LÖSLICHES ORALES PFLASTER MIT KOLLAGEN UND VERKETTETENWIRKSTOFFEN

Title (fr)

TIMBRE ORAL SOLUBLE PRESENTANT DU COLLAGENE ET DES INGREDIENTS ACTIFS RETICULES

Publication

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Application

EP 03781546 A 20031029

Priority

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- US 28784302 A 20021105

Abstract (en)

[origin: CA2505126A1] An adherent, soluble oral patch for delivering topical medication in the mouth including a hydrophilic polymer that is liquid at human mouth temperatures. Preferably, the hydrophilic polymer gels to a solid at temperatures just below human mouth temperatures, preferably collagen such as animal gelatin. The structure of the oral patch is formed with a porous network that remains solid at human mouth temperatures and slowly dissolves in saliva. In some embodiments, the network is elasto-plastic and in some cases it is hydrophilic. The hydrophilic polymer is located within pores of the network, along with a desired medication. The oral patch is formed by mixing and hydrating the ingredients, bringing them to above an activation temperature below boiling, and cooling them to form a gel. The hot mixture may be poured into molds, including a flat sheet, and the mold may also serve as packaging for delivery. The packaging may comprise a germ barrier moisture passing film which allows the oral patch to dry out or become re-hydrated without growing mold.

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IPC 8 full level

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