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(54) Title (EN): METHOD FOR MANUFACTURING ROOM-TEMPERATURE-SHRINK TUBE BY USING WATER AND SWELLING AGENT, AND FLEXIBLE BUSBAR USING TUBE

(54) Title (FR): PROCÉDÉ DE FABRICATION DE TUBE RÉTRACTABLE À TEMPÉRATURE AMBIANTE À L'AIDE D'EAU ET D'UN AGENT GONFLANT ET BARRE OMNIBUS SOUPLE UTILISANT LE TUBE

(54) Title (KO): 물과 팽창제를 이용한 상온 수축튜브 제조방법 및 이를 이용한 플렉시블 부스바

(57) Abstract:

(EN): The present invention relates to a method for manufacturing a room-temperature-shrink tube by using water and a swelling agent, and a flexible busbar using the tube, which expand a shrink tube by using an aqueous system for expanding the shrink tube by immersing same for a set time in a solution having water and a swelling agent mixed, and which allow the expanded shrink tube to simply surround the outer circumferential surface of a busbar core material and insulate and cover same by shrinking naturally at room temperature, and which mainly comprise the busbar core material (10) and the shrink tube (20) in order to particularly prevent deformation including rising and wrinkling of the shrink tube when changing the shape of the busbar, by maintaining integrality by means of a structure in which the busbar core material interlocks in an embossed and debossed structure and is fastened by the shrink force of the shrink tube.

(FR): La présente invention concerne un procédé de fabrication d'un tube rétractable à température ambiante à l'aide d'eau et d'un agent gonflant et une barre omnibus souple utilisant le tube, ledit procédé dilatant un tube rétractable à l'aide d'un système aqueux pour dilater le tube rétractable par son immersion pendant un temps défini dans une solution dans laquelle l'eau et un agent gonflant sont mélangés, et permettant au tube rétractable dilaté d'entourer simplement la surface circonférentielle externe

d'un matériau de noyau de barre omnibus et de l'isoler et de le recouvrir par rétraction naturelle à température ambiante, et comprenant principalement le matériau de noyau de barre omnibus (10) et le tube rétractable (20) afin d'empêcher en particulier une déformation comprenant l'élévation et le plissage du tube rétractable lors du changement de la forme de la barre omnibus, par le maintien de l'intégralité au moyen d'une structure dans laquelle le matériau de noyau de barre omnibus s'emboîte dans une structure gaufrée et dégaufree et est fixé par la force de rétraction du tube rétractable.

(KO): 본 발명은 물과 팽창제를 이용한 상온 수축튜브 제조방법 및 이를 이용한 플렉시블 부스바에 관련되며, 이는 수축튜브를 물과 팽창제를 혼합한 용액에 정해진 시간동안 침지시켜 팽창시키는 에퀴어스(Aqueous System) 시스템을 이용하여 수축튜브를 팽창시키며, 팽창된 수축튜브가 상온에서 자연 수축되어 부스바심재 외주면에 간단하게 튜빙되어 절연 피복되고, 특히 수축튜브 수축력에 의해 부스바심재가 음양각 구조로 맞물려 결속되는 구조에 의해 일체성을 유지하여 부스바를 형상변형시 수축튜브의 들뜸현상 및 주름발생을 포함하는 변형이 방지되도록 하기 위해 부스바심재(10), 수축튜브(20)를 포함하여 주요구성으로 이루어진다.

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