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(54) Title (EN): SYSTEM AND METHOD FOR MONITORING CORROSION BY USING OPTICAL FIBER SENSOR

(54) Title (FR): SYSTÈME ET PROCÉDÉ DE SURVEILLANCE DE LA CORROSION À L'AIDE D'UN CAPTEUR À FIBRE OPTIQUE

(54) Title (KO): 광섬유 센서를 이용한 부식 모니터링 시스템 및 방법

(57) Abstract:

(EN): The present invention relates to a system and a method for monitoring corrosion by using an optical fiber sensor and, more specifically, to a system and a method for monitoring corrosion by using an optical fiber sensor, the system and the monitor detecting the corrosion of painted steel or the inside of concrete by using an optical fiber sensor so as to notify a user of same, thereby enabling the user to efficiently manage a structure.

(FR): La présente invention concerne un système et un procédé de surveillance de la corrosion à l'aide d'un capteur à fibre optique et plus particulièrement un système et un procédé de surveillance de la corrosion à l'aide d'un capteur à fibre optique, le système et le dispositif de surveillance détectant la corrosion de l'acier peint ou de l'intérieur du béton à l'aide d'un capteur à fibre optique de façon à notifier un utilisateur de ce dernier, ce qui permet à l'utilisateur de gérer efficacement une structure.

(KO): 본 발명은 광섬유 센서를 이용한 부식 모니터링 시스템 및 방법에 관한 것으로, 더욱 상세하게는 콘크리트의 내부 또는 도장처리가 된 강재의 부식을 광섬유 센서를 이용해 감지하여 사용자에게 알려줌으로써 사용자가 구조물을 효율적으로 관리할 수 있는 광섬유 센서를 이용한 부식 모니터링 시스템 및 방법에 관한 것이다.

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