

Title (en)  
CORROSION INHIBITION OF REINFORCED CONCRETE

Title (de)  
KORROSIONSHEMMUNGSSYSTEM FÜR BEWEHRTEN BETON

Title (fr)  
SYSTÈME D'INHIBITION DE CORROSION POUR BÉTON RENFORCÉ

Publication  
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Application  
**EP 10787580 A 20101125**

Priority

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Abstract (en)  
[origin: EP2327670A1] The invention is directed to a corrosion inhibition system for reinforced concrete, to reinforced concrete comprising said corrosion inhibition system, and to a process for preparing said reinforced concrete, and to the use of said reinforced concrete. In accordance with the invention, a corrosion inhibition system for concrete reinforced with a corrosion sensitive reinforcement is provided, which system comprises layered double hydroxide intercalated with a compound represented by the following formula (I): #####Y##R##COO-##### (I) and/or protonated forms thereof, wherein Y is NH<sub>2</sub> or COO- R is an optionally substituted aromatic, aliphatic, or cycloaliphatic moiety having 5-18 carbon atoms.

IPC 8 full level  
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