

Title (en)
TEMPERATURE-RESPONSIVE DEGRADABLE HYDROGELS

Title (de)
TEMPERATURREAKTIVE ABBAUBARE HYDROGELE

Title (fr)
HYDROGELS DÉGRADABLES SENSIBLES À LA TEMPÉRATURE

Publication
EP 3700589 A1 20200902 (EN)

Application
EP 18871782 A 20181024

Priority
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• US 2018057398 W 20181024

Abstract (en)
[origin: WO2019084197A1] A polymer composition can include an aqueous vehicle and a temperature-responsive degradable polymer having a polymer including a LCST-imparting unit and a lactone-bearing unit including a pendent lactone group. The number of LCST-imparting units is greater than the number of lactone-bearing units. The temperature-responsive degradable polymer has an initial lower critical solution temperature (LCST) of 37°C or below. The polymer composition can have a pH lower than 7.

IPC 8 full level
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