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(54) Title: A NOVEL AGROPOLYMER USED FOR PURIFICATION OF POLLUTED WATER OR CONTAMINATED WATER CONTAINING METAL OR IONS AND A METHOD OF PRODUCING THE AGROPOLYMER		
(57) Abstract The invention relates to a novel agropolymer comprising carbohydrate and/or silica matrix substantially devoid of at least proteins, tannins and polyphenols and having metal binding reactive sites, a method of producing said novel agropolymers from plant material such as seed coats, husks or hulls of the various agricultural crops (<i>Oryza sativa</i> , <i>Panicum miliaceum</i> , <i>Setaria italica</i> , <i>Cajanus cajan</i> , <i>Vigna mungo</i> , <i>Vigna radiata</i> , <i>Triticum sp.</i> , <i>Ricinus communis</i> , <i>Helianthus annuus</i> , <i>Gossypium sp.</i> <i>Arachis sp.</i>), and a method of purifying of metal and ion polluted/contaminated aqueous solutions including metal or ion polluted drinking water or ground water using the said agropolymer.		

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