

Title (en)
BINDER-CONVERTED ALUMINOSILICATE X-TYPE ZEOLITE COMPOSITIONS WITH LOW LTA-TYPE ZEOLITE

Title (de)
DURCH EIN BINDEMITTEL KONVERTIERTE ALUMINOSILIKAT-ZEOLITH-X-ENTHALTENDE ZUSAMMENSETZUNGEN MIT GERINGEM ZEOLITH-LTA-ANTEIL

Title (fr)
COMPOSITIONS DE ZÉOLITES DE TYPE X D'AMINOSILICATES CONVERTIES AVEC UN LIANT

Publication
EP 2697166 A2 20140219 (EN)

Application
EP 12864937 A 20120405

Priority

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- US 201161474923 P 20110413
- US 2012032255 W 20120405

Abstract (en)
[origin: WO2013106017A2] A zeolitic binder-converted composition comprising (a) a zeolite X composition having at least a first zeolite X having a mean diameter not greater than 2.7 microns, and a second zeolite X, wherein the second zeolite X is obtained by converting a binder material to the second zeolite X and the binder material is in a range from 5 to 50 wt% of the zeolite X composition; and (b) an unconverted binder material content, after conversion to the second zeolite X is complete, in a range from 0 to 3 wt% of the zeolite X composition. The zeolite X composition has an average Si/Al framework mole ratio in a range from 1.0 to 1.5, and a relative LTA intensity not greater than 1.0, as determined by x-ray diffraction (XRD). The zeolitic binder-converted composition is useful in a process for separating para-xylene from a mixture of C8 alkylaromatics.

IPC 8 full level
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