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(71) **Applicant** (for all designated States except US): **UOP LLC** [US/US]; 25 East Algonquin Road, P. O. Box 5017, Des Plaines, Illinois 60017-5017 (US).

(72) **Inventors; and**

(75) **Inventors/Applicants** (for US only): **HURST, Jack E.** [US/US]; UOP LLC, 1 Linde Drive, Chickasaw, Alabama 36611 (US). **CHENG, Linda S.** [US/US]; UOP LLC, 25 East Algonquin Road, P. O. Box 5017, Des Plaines, Illinois 60017-5017 (US). **BROACH, Robert W.** [US/US]; UOP LLC, 25 East Algonquin Road, P. O. Box 5017, Des Plaines, Illinois 60017-5017 (US).

(74) **Agent:** **VAN TASSEL, Kurt D.**; UOP LLC, 25 East Algonquin Road, P. O. Box 5017, Des Plaines, Illinois 60017-5017 (US).

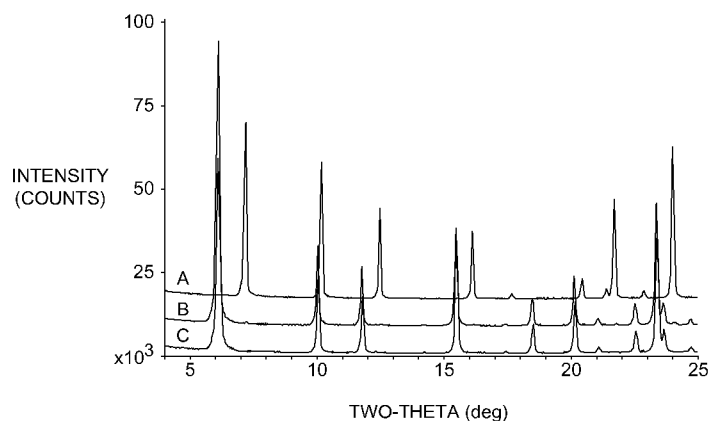
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(54) **Title:** BINDER-CONVERTED ALUMINOSILICATE X-TYPE ZEOLITE COMPOSITIONS WITH LOW LTA-TYPE ZEOLITE

**FIG. 1**

(57) **Abstract:** 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.

