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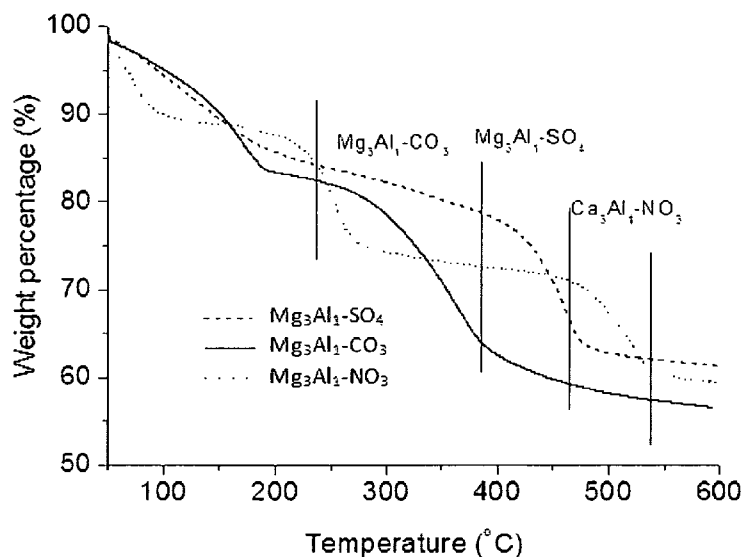


Figure 1.

(57) Abstract: The present invention relates to a process A process for modifying a layered double hydroxide (LDH), the process comprising, a. providing a material comprising a layered double hydroxide of formula:  $[M^{z+}_{1-x} M'^{y+}_x (OH)_2]^{q+} (X^{n-})_{q/n} \cdot bH_2O$  wherein M and M' are metal cations, z is 1 or 2, x is 0.1 to 1, b is 0 to 5, y is 3 or 4, X is an anion, n is 1 to 3 and q is determined by x, y and z, b. optionally washing the material at least once with a mixture of water and a mixing solvent miscible with water, and c. washing the material obtained in step a or b at least once with at least one first solvent, the first solvent being miscible with water and having a solvent polarity P' in the range of 3.8 to 9 to obtain a modified layered double hydroxide.