

Title (en)
REDOX MASSES HAVING A AXA'X'BYB'Y'O4 SPINEL TYPE STRUCTURE AND USE THEREOF IN A CHEMICAL-LOOP REDOX PROCESS

Title (de)
REDOXMASSEN MIT EINER STRUKTUR VOM AXA'X'BYB'Y'O4-SPINELL-TYP UND VERWENDUNG DAVON BEI EINEM CHEMICAL-LOOP-REDOXPROZESS

Title (fr)
MASSES OXYD-REDUCTRICES A STRUCTURE DE TYPE SPINELLE AXA'X-BYB'O4, ET UTILISATION DANS UN PROCEDE DE COMBUSTION EN BOUCLE CHIMIQUE

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Abstract (en)
[origin: WO2010040916A1] The invention relates to a novel type of active mass and to the use thereof in chemical loop combustion methods. The active mass contains a spinel of the formula AXA'X-BYB'O4. The active masses of the invention have a high oxygen transfer capacity and redox rates enabling the advantageous use thereof in the loop combustion method. A and A' may be identical and B and B' may also be identical.

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