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**Reichenbach-Klinke et al.**

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(54) **USE OF CSH SUSPENSIONS IN WELL CEMENTING**

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(51) **Int. Cl.**

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|---|---|
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| ***E21B 33/13*** | (2006.01) |
| ***C04B 24/26*** | (2006.01) |
| ***C04B 28/02*** | (2006.01) |
| ***C09K 8/467*** | (2006.01) |

(52) **U.S. Cl.**

CPC ..... ***C04B 24/267*** (2013.01); ***C04B 24/2647*** (2013.01); ***C04B 28/02*** (2013.01); ***C09K 8/467*** (2013.01)

(58) **Field of Classification Search**

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See application file for complete search history.

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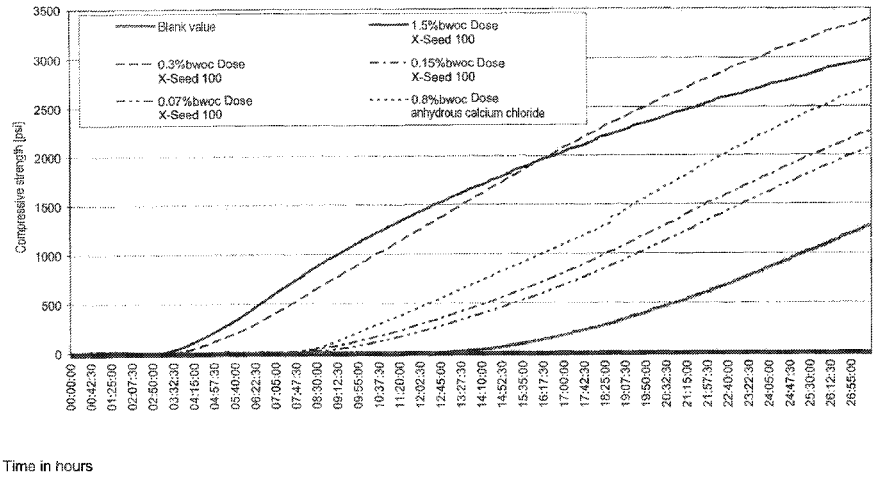
(57) **ABSTRACT**

Methods of a setting accelerator composition for inorganic binders which comprises at least one water-soluble comb polymer suitable as a superplasticizer for hydraulic binders and calcium silicate hydrate particles in the development, exploitation and completion of underground mineral oil and natural gas deposits and in deep wells which not only accelerates the setting and hardening of the cement slurries but also shortens the time in which the static gel strength of the hardening cement slurries increases from 100 lb/100 $ft^2$ (4.88 $kg/m^2$) to 500 lb/100 $ft^2$ (24.4 $kg/m^2$).

**23 Claims, 1 Drawing Sheet**