

Title (en)  
PROCEDURE TO IMPROVE BALL CLAYS TO BE USED IN THE MANUFACTURE OF CERAMIC PRODUCTS

Title (de)  
METHODE ZUR VERBESSERUNG VON BILDSAMEN TONEN ZUR VERWENDUNG BEI DER HERSTELLUNG VON KERAMIKPRODUKTEN

Title (fr)  
PROCÉDURE POUR AMÉLIORER DES ARGILES PLASTIQUES À UTILISER DANS LA PRODUCTION DE PRODUITS CÉRAMIQUES

Publication  
**EP 2398751 A2 20111228 (EN)**

Application  
**EP 10711024 A 20100219**

Priority

- EP 2010052138 W 20100219
- EP 09380027 A 20090220
- EP 10711024 A 20100219

Abstract (en)  
[origin: EP2226307A1] A procedure for enhancing clays so that they can be used in ceramic products to increase the content of clayey material, to remove the unwanted large particles, to increase the whiteness of the clays after baking and to reduce the percentage of defects after baking comprising the steps of obtaining an aqueous suspension of clay; removing of the fraction greater than 60 µm using physical separation procedures; classifying of the clay in suspension on the basis of the particle size, using mechanical means; treating of the fraction with the smallest particle size; removing the water in the suspension in order to obtain the cake; and washing the cake with water in order to reduce the content of soluble salts, such as sulphates and carbonates, before draining.

IPC 8 full level  
**C04B 33/04** (2006.01)

CPC (source: EP)  
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Citation (search report)  
See references of WO 2010094771A2

Citation (examination)  
US 5223463 A 19930629 - BILIMORIA BOMI M [US], et al

Designated contracting state (EPC)  
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DOCDB simple family (application)  
**EP 09380027 A 20090220**; BR PI1005986 A 20100219; EP 10711024 A 20100219; EP 2010052138 W 20100219; MX 2011008841 A 20100219