

Title (en)

RED BRICK AND PROCESS FOR PREPARATION THEREOF

Title (de)

ROTER ZIEGELSTEIN UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

BRIQUE ROUGE ET SON PROCÉDÉ DE PRÉPARATION

Publication

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Application

EP 19942372 A 20191120

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Abstract (en)

[origin: WO2021033193A1] The present disclosure relates to a red brick comprising: 20-50 wt% of red mud; 10-20 wt% of bottom ash; 10-30 wt% of natural sand; 15-30 wt% of fly ash; and 4-15 wt% of Portland cement. The present disclosure also relates to a process for preparing a red brick comprising: mixing 20-50 wt% of red mud, 10-20 wt% of bottom ash, 10-30 wt% of natural sand to form a first mixture, adding 15-30 wt% of fly ash and 4-15 wt% of Portland cement to the first mixture to form a second mixture, rolling the second mixture in a pan mixer having roller and scraper to produce a final mixture, molding the final mixture in a brick press to provide a pressed red brick, and stacking the pressed red brick in yards to form a red brick.

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