

Title (en)  
COOLING BUNKER FOR THE DRY QUENCHING OF COKE

Publication  
**EP 0088207 A3 19840328 (DE)**

Application  
**EP 83100122 A 19830108**

Priority  
DE 3208415 A 19820309

Abstract (en)  
[origin: US4497691A] The stack cooler comprises a substantially vertical circular chamber with walls from refractory blocks or bricks. The chamber comprises an upper prechamber and disposed below it the quenching chamber proper, where the prechamber is provided with an upper conical section with a central charging opening. Gas exhaust discharge openings are provided in the transition region between prechamber and quenching chamber over the complete circumference at a distance from each other, which are joining to an annular collection channel running in the masonry. The masonry comprises an outer layer and an inner layer separate from the outer layer over the conical section and also over the cylindrical section disposed below the conical section. The inner layer adjoins at its lower end the masonry work of the wall in the area of the quenching chamber via support walls running between the gas exhaust discharge openings. Advantageously, the inner layer is formed thinner than the outer layer and a narrow slot is left open between these two layers. Preferably, this slot is furnished as a step slot corresponding to the thickness of the bricks or, respectively, of the layers of the masonry work.

IPC 1-7  
**C10B 39/02**

IPC 8 full level  
**C10B 39/02** (2006.01)

CPC (source: EP US)  
**C10B 39/02** (2013.01 - EP US)

Citation (search report)  
• [AD] DE 1471589 A1 19690327 - WI PROJEKTIROWANIJU PREDPIRJAT  
• [A] DE 3013351 A1 19811008 - OTTO & CO GMBH DR C [DE]

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BE DE FR GB IT LU NL

DOCDB simple family (publication)  
**EP 0088207 A2 19830914; EP 0088207 A3 19840328; EP 0088207 B1 19850918;** BR 8301130 A 19831122; DE 3208415 A1 19830915; DE 3360799 D1 19851024; JP S5974183 A 19840426; JP S6033866 B2 19850805; SU 1227122 A3 19860423; US 4497691 A 19850205

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