

Title (en)

COOLING GRID FOR A BULK MATERIAL COOLING DEVICE

Title (de)

KÜHLROST FÜR EINEN SCHÜTTGUTKÜHLER

Title (fr)

GRILLE REFRIGERANTE DE DISPOSITIF REFRIGERANT POUR MATERIAU EN VRAC

Publication

EP 1373817 B2 20070808 (DE)

Application

EP 02759796 A 20020405

Priority

- DE 10117225 A 20010406
- EP 0203805 W 20020405

Abstract (en)

[origin: US2004185408A1] A cooling grate for a bulk-material cooler, in particular for combustion material (8) such as cement clinker, of which the top side forms a carrying surface which supports the combustion material (8) which is to be cooled, the cooling grate (1) being made up of a plurality of fixed shaped profiles (4) which partially engage one over the other and between which gas-throughflow channels (5) are formed, it being the case that the shaped profiles (4) are of the same shape and have a central part (41) and outer parts (42, 43) which are angled in opposite directions to the central part (41), the shaped profiles (4) being arranged such that in each case one of the gas-throughflow channels (5) is formed between in each case one of the outer parts (42', 43) of two directly adjacent shaped profiles (4, 4'). There is preferably provided a support (3) which has position-defining mounts (36) for the shaped profiles (4).

IPC 8 full level

F27D 15/00 (2006.01); **F27D 15/02** (2006.01)

CPC (source: EP US)

F27D 15/02 (2013.01 - EP US); **F27D 15/0213** (2013.01 - EP US); **F27D 15/022** (2013.01 - EP US)

Citation (opposition)

Opponent :

US 1802960 A 19310428 - SIMONDS FRANCIS M

Designated contracting state (EPC)

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US 2004185408 A1 20040923; AT E278171 T1 20041015; AU 2002338354 A1 20021021; CN 100346125 C 20071031; CN 1529805 A 20040915; DE 10117225 A1 20021010; DE 50201168 D1 20041104; DK 1373817 T3 20050131; DK 1373817 T4 20071203; EP 1373817 A2 20040102; EP 1373817 B1 20040929; EP 1373817 B2 20070808; ES 2229166 T3 20050416; ES 2229166 T5 20080301; WO 02081995 A2 20021017; WO 02081995 A3 20021128

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