

Title (en)
ROLL CRUSHER OF COOLER DEVICE

Title (de)
WÄLZENBRECHER FÜR EINE KÜHLERVORRICHTUNG

Title (fr)
CONCASSEUR À CYLINDRES DE DISPOSITIF DE REFROIDISSEMENT

Publication
EP 3345680 A4 20190313 (EN)

Application
EP 16841089 A 20160823

Priority
• CN 201510547111 A 20150831
• JP 2016003831 W 20160823

Abstract (en)
[origin: EP3345680A1] Provided is a roll crusher of a cooler apparatus, the roll crusher being capable of leveling out temporal changes in the roll load. A roll crusher 15 of a cooler apparatus 1 includes a plurality of load-reducing rolls 15a and 15b. The load-reducing rolls 15a and 15b are arranged side by side in a conveying direction such that a gap S1 is formed therebetween, and are rotated about respective rotational axes L1 and L2 by corresponding rotating units to crush cement. The load-reducing rolls 15a and 15b include a plurality of crushing rings 22 and 23 and a plurality of crushing rings 32 and 33, respectively. Crushing teeth 24 and 27 are formed on outer peripheral surfaces of the crushing rings 22 and 23 at a regular pitch p1, and crushing teeth 34 and 35 are formed on outer peripheral surfaces of the crushing rings 32 and 33 at a regular pitch p2. The crushing teeth 27 and 35 are arranged such that they are shifted relative to the adjacent crushing teeth 24 and 34 in a circumferential direction.

IPC 8 full level
B02C 4/08 (2006.01); **B02C 4/30** (2006.01)

CPC (source: EP)
B02C 4/08 (2013.01); **B02C 4/30** (2013.01)

Citation (search report)
• [X] CN 104525310 A 20150422 - ANHUI CONCH KAWASAKI EQUIPMENT MFG CO LTD
• [A] CN 203695120 U 20140709 - XUZHOU CHINA UNITED CEMENT CO LTD
• See references of WO 2017038049A1

Cited by
CN112403592A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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