

Title (en)
DEVICE FOR LOOSENING SOLIDIFIED MATERIAL

Title (de)
VORRICHTUNG ZUM LÖSEN VON ERSTARRTEM MATERIAL

Title (fr)
DISPOSITIF PERMETTANT DE DÉSAGRÉGER UN MATÉRIAU SOLIDIFIÉ

Publication
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Application
EP 17866614 A 20170524

Priority
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Abstract (en)
[origin: EP3572356A1] A conventional device for loosening a solidified material has not been capable of loosening and pulverizing or granulating an aggregated material accommodated in a bag having a large thickness. Therefore, the present invention is a loosening device 1 for conveying, while compressing, a bag W for accommodating a mass in which a powdered or granular material is accumulated through use of roller pairs having lower rollers 12, 22, 32, 42 and upper rollers 11, 21, 31, 42 in which recesses and projections are formed on the surfaces thereof, the loosening device 1 being provided with a plurality of rollers pairs arranged along the conveyance direction of the bag W, and the loosening device 1 being configured so that the interval between the upper rollers 21, 31, 42 and the lower rollers 22, 32, 42 in at least one roller pair among the rollers pairs of second through fourth roller units 20, 30, 40 positioned downstream relative to the roller pair of a first roller unit 10 positioned furthest upstream in the conveyance direction of the bag W is smaller than the interval between the upper roller 11 and the lower roller 12 of the roller pair positioned furthest upstream.

IPC 8 full level
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Citation (search report)
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• [Y] JP 5938490 B1 20160622
• [Y] CN 104117403 A 20141029 - ZHANGJIAGANG LANHANG MACHINERY
• [A] JP H0671407 U 19941007
• [A] JP 2005027622 A 20050203 - TSUNEZAWA YUKIHIRO
• See references of WO 2018083827A1

Designated contracting state (EPC)
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