Title (en)
STACKING DEVICE AND STACKING METHOD

Title (de)
STAPELVORRICHTUNG UND STAPELVERFAHREN

Title (fr)
DISPOSITIF D'EMPILEMENT ET PROCÉDÉ D'EMPILEMENT

Publication
EP 2655228 B1 20160810 (DE)

Application
EP 11799092 A 20111216

Priority
• DE 102010063708 A 20101221
• DE 102011083624 A 20110928
• EP 2011073032 W 20111216

Abstract (en)
[origin: WO2012084708A1] The invention relates to a stacking device (Sf) and a stacking method, which stack objects into a stacking device (Sf). The stacking device (Sf) comprises a stack support (Pa), a stop element (Ans), a guide element (UW), and a distance-generating apparatus (Rot.1, Rot.2, Rot.3). The stacking device (Sf) creates a stack (St) of vertically standing objects, which stack leans on the stack support (Pa). A further object (Ps) to be stacked is transported between said stack (St) and the guide element (UW) toward the stop element (Ans) until the stop element (Ans) stops the object (Ps). During this transport, a distance always develops between the object (Ps) and the already formed stack (St). The guide element (UW) deflects the leading edge (Vk) of the object (Ps) toward the stack support (Pa) at least once. The distance-generating apparatus (Rot.1, Rot.2, Rot.3) generates a distance between the stacked-in object (Ps) and the stack (St), so that a space is generated between the object (Ps) and the guide element (UW), into which space a further object can be transported.

IPC 8 full level
B65H 31/06 (2006.01)

CPC (source: EP)
B65H 31/06 (2013.01); B65H 2404/65 (2013.01); B65H 2511/212 (2013.01); B65H 2511/51 (2013.01); B65H 2701/1311 (2013.01); B65H 2701/1916 (2013.01)

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

DOCDB simple family (publication)
WO 2012084708 A1 20120628; CN 103402899 A 20131120; CN 103402899 B 20161109; DK 2655228 T3 20161128; EP 2655228 A1 20131030; EP 2655228 B1 20160810; ES 2602636 T3 20170221

DOCDB simple family (application)
EP 2011073032 W 20111216; CN 201180068207 A 20111216; DK 11799092 T 20111216; EP 11799092 A 20111216; ES 11799092 T 20111216