

Title (en)  
HANDLING INSTALLATION FOR CERAMIC PRODUCTS

Publication  
**EP 0210911 B1 19901114 (FR)**

Application  
**EP 86401551 A 19860711**

Priority  
FR 8511455 A 19850726

Abstract (en)  
[origin: EP0210911A2] Handling installation for ceramic products comprising a closed circuit 1 of carriages 2 passing through drying kilns 3 and firing kilns 4, an unstacking station 7 and a stacking station 6 combined with endless transverse belts, one 10 running from a charging with empty supports 13 to a stacking station 6 with charging 14 of the green products onto the supports, another 11 running from a station for taking off fired products 7 to a packaging station 29, and another 12 running from the taking up of empty supports 7 to a system 30 of storage and transfer which brings the empty supports back to the first belt 10. A first battery of grippers 21 operates between belt 10 and the location for stacking on carriages 22, a second battery, with two sets 26, 27, operates between belts 11 and 12 with intermediate stops on the unstacking station 43. Means 17, 19 ensure the closing up of supports for stacking and means 36, 37 their spacing for storage, transfer and charging onto the belt. <IMAGE>

IPC 1-7  
**F27D 3/00**

IPC 8 full level  
**F27D 3/00** (2006.01); **F27D 5/00** (2006.01); **F27B 9/30** (2006.01); **F27D 3/12** (2006.01)

CPC (source: EP US)  
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Cited by  
EP0543016A4; DE19842268A1; EP0674147A1; EP0786635A3; DE29506470U1; DE202012103521U1; EP2631583A1; WO2013124433A1

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