

Title (en)

Head for the digital decoration of ceramic products

Title (de)

Kopf zum digitalen Dekorieren von keramischen Produkten

Title (fr)

Tête pour la décoration numérique de produits en céramique

Publication

EP 2777938 A1 20140917 (EN)

Application

EP 14158258 A 20140307

Priority

IT MO20130069 A 20130315

Abstract (en)

The head (1) for the digital decoration of ceramic products, comprises: - a body (2) inside which a channel (3) is defined for the transit of at least a ceramic glaze and having an inlet port (3a) and an outlet port (3b) for the glaze; - at least a clogging element (4) fitted inside the transit channel (3) and alternatively moving between a closing position and an opening position of the outlet port (3b), the clogging element (4) comprising at least one ferromagnetic element (6a, 6b); - opening means (7) which can be controlled between an active configuration, wherein they generate a first magnetic field able to attract the clogging element (4) towards the opening position, and an inactive configuration, wherein they interrupt the first magnetic field itself; - return means (8) able to generate a second permanent magnetic field to attract the clogging element (4) towards the closing position with the opening means (7) in an inactive configuration, where the clogging element (4) comprises at least two ferromagnetic elements (6a, 6b) arranged spaced apart from one another, of which at least a first and a second ferromagnetic elements (6a, 6b) arranged, with the clogging element (4) in closing position, in correspondence to the opening means (7) and in the proximity of the return means (8), respectively.

IPC 8 full level

B41J 2/04 (2006.01)

CPC (source: EP)

B41J 2/04 (2013.01); **B41J 2002/041** (2013.01); **B41J 2202/05** (2013.01)

Citation (search report)

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- [A] DE 4139731 A1 19930609
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Designated extension state (EPC)

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