

Title (en)
SUPPLY SYSTEM FOR ELONGATE ELEMENTS FOR SUPPLYING ELONGATE ELEMENTS TO A WORKING MACHINE

Title (de)
VERSORGUNGSSYSTEM FÜR LÄNGLICHE ELEMENTE ZUR VERSORGUNG EINER ARBEITSMASCHINE MIT LÄNGLICHEN ELEMENTEN

Title (fr)
SYSTÈME D'ALIMENTATION DES ÉLÉMENTS ALLONGÉS POUR ALIMENTER DES ÉLÉMENTS ALLONGÉS À UNE MACHINE DE TRAVAIL

Publication
EP 3597578 C0 20230927 (EN)

Application
EP 19187346 A 20190719

Priority
IT 201800007352 A 20180719

Abstract (en)
[origin: EP3597578A1] A supply system (1) for supplying elongate elements (100, 100', 100") in an advance direction (F) comprises a containment device (20) for containing a plurality of elongate elements (100, 100', 100") which are stacked one on the other so as to form a pile (10) of elongate elements (100, 100', 100"), the elongate elements (100, 100', 100") being planar elements with a prevalent longitudinal extent along a longitudinal axis (Z1, 100"), a conveying device (40) for conveying the elongate elements (100, 100', 100") to an operating machine (200), the conveying device (40) being provided with a movement device (45) which is capable of moving the elongate elements (100, 100', 100") in the advance direction (F), an extraction device (30) for extracting the elongate elements (100, 100', 100") from the containment device (20) and for moving them towards the conveying device (40), wherein the extraction device (30) comprises at least one extraction element (31, 31A) which is formed to engage with the lower elongate element (100') which is positioned in a lower position in the pile (10) and to extract it from the pile (10) by moving it in an extraction direction (F1) which is located substantially perpendicularly to the advance direction (F) towards the conveying device (40), wherein each extraction element (31A) comprises an engagement tooth (35) which is provided on the face of the extraction element (31A) which is directed towards the lower elongate element (100') and which is intended to engage with the lower elongate element (100') in order to extract it from the pile (10).

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