

Title (en)
DISPENSER WITH LOW-MATERIAL SENSING SYSTEM

Title (de)
SPENDER MIT SENSOR FÜR NIEDRIGEN FÜLLSTAND

Title (fr)
DISTRIBUTEUR AVEC SYSTÈME DE DÉTECTION DE QUANTITÉ PRESQUE ÉPUISÉE DE MATÉRIAU

Publication
EP 2501267 A1 20120926 (EN)

Application
EP 09756869 A 20091116

Priority
US 2009006131 W 20091116

Abstract (en)
[origin: WO2011059423A1] Apparatus, systems and methods for dispensing sheet material (12) from a roll (11) which include a low-material sensing system. The low-material sensing system provides an indication when the sheet material (12) approaches depletion or is depleted so that the depleted sheet material roll (11) can be replaced with a full roll. The low-material sensing system determines that the sheet material (12) is depleted or near depletion by comparing the rotational speed of a sheet material roll (11) from which the sheet material (12) is unwound with the speed of the motor (21) which produces movement of the sheet material roll (12) when power is supplied to the motor (21). The sheet material roll (11) speed increases as material (12) is unwound while the motor (21) speed remains relatively constant. A low-material indication is provided when the comparison reaches a threshold representative of the low-material state.

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