

Title (en)
Position detector

Title (de)
Positionsgeber

Title (fr)
Détecteur de position

Publication
EP 1348661 A1 20031001 (EN)

Application
EP 03075972 A 20030318

Priority
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• EP 02076338 A 20020329

Abstract (en)
A sheet depositing device for a sheet processing apparatus, comprising a feeding section for sequentially feeding sheets or sets of sheets from said sheet processing apparatus, at least one sheet stacking element movable along a guide, for facilitating depositing said sheets or sets of sheets fed by said feeding section in said sheet depositing device, and a sensor arrangement for detecting the position of a sheet stacking element along the guide. <??>The sensor arrangement comprises a stationary linear array of active elements and a passive element moving in unison with said sheet stacking element, said active and passive elements being of a kind that interact through the use of electric or magnetic fields and being positioned closely together in the array. <??>Examples of such sensors are: an array of conductive fields arranged in parallel to a conductive strip or a second array of conductive fields, and a conductive plate, connected to a capacitance meter, an array of Hall-effect sensors, and a magnet. <IMAGE>

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B65H 31/10; **B65H 43/00**; **B65H 31/26**

IPC 8 full level
B65H 31/10 (2006.01); **B65H 31/26** (2006.01)

CPC (source: EP)
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Citation (search report)
• [AD] US 6318718 B1 20011120 - OGATA ATSUSHI [JP], et al
• [AD] US 2001054791 A1 20011227 - GOLDBECK UWE HERMANN [DE], et al
• [A] GB 2036701 A 19800702 - DE LA RUE CROSFIELD
• [A] US 4667953 A 19870526 - HIRAKAWA TADASHI [JP], et al
• [A] EP 0798246 A1 19971001 - XEROX CORP [US]
• [A] DE 19711406 C1 19981001 - JAGENBERG PAPIERTECH GMBH [DE]
• [T] US 6378860 B1 20020430 - GUTIERREZ HERNAN [MX], et al
• [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 227 (M - 248) 7 October 1983 (1983-10-07)

Cited by
US7147222B2; GB2484802A; GB2484802B; US8552879B2

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