

Title (en)  
METHOD OF STROKE SEGMENTATION FOR HANDWRITTEN INPUT

Title (de)  
VECTOR-SEGMENTIERUNGSVERFAHREN FÜR HANDGESCHriebENE EINGABEN

Title (fr)  
PROCEDE DE SEGMENTATION DE TRAITS POUR ENTREE MANUSCRITE

Publication  
**EP 0710384 A4 19970502 (EN)**

Application  
**EP 95918350 A 19950503**

Priority  
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• US 24040794 A 19940510

Abstract (en)  
[origin: WO9532485A1] The method of the present invention includes a step of calculating the derivative (140), or instantaneous rate of change, of the curvature at points in the handwritten input (110). The method then selects as stroke boundary points certain points (or pixels) in the input which lie at a midpoint between a point of high curvature derivative and a succeeding point of low curvature derivative (150). Such boundary points are not influenced by absolute curvature values, but rather only by relative changes in the curvature. The stroke segmentation boundary points are provided to a stroke-based recognizer for interpretation of the handwritten input (170).

IPC 1-7  
**G06K 9/46**

IPC 8 full level  
**G06K 9/34** (2006.01); **G06K 9/22** (2006.01); **G06K 9/62** (2006.01)

CPC (source: EP)  
**G06V 30/347** (2022.01)

Citation (search report)  
• [A] EP 0587301 A2 19940316 - IBM [US]  
• [A] A. J. NEVINS: "An orientation free study of handprinted characters", PATTERN RECOGNITION, vol. 11, no. 3, 1979, NEW YORK, pages 155 - 164, XP002025766  
• [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 554 (P - 973) 11 December 1989 (1989-12-11)  
• See references of WO 9532485A1

Cited by  
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**WO 9532485 A1 19951130**; AU 2431695 A 19951218; BR 9506197 A 19960424; CA 2162489 A1 19980601; CN 1128074 A 19960731; CZ 6196 A3 19960612; EP 0710384 A1 19960508; EP 0710384 A4 19970502; FI 960110 A0 19960110; FI 960110 A 19960110; HU 9503882 D0 19960228; HU T75820 A 19970528; IL 113659 A0 19950831; JP 2002515144 A 20020521; MX 9600189 A 19981129; NO 955064 D0 19951214; NO 955064 L 19951214; PL 312469 A1 19960429; SK 3096 A3 19961002

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