

Title (en)  
PREPROCESSOR METHOD AND APPARATUS

Title (de)  
PRÄPROZESSORVERFAHREN UND -VORRICHTUNG

Title (fr)  
PROCEDE ET DISPOSITIF DE PRETRAITEMENT

Publication  
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Application  
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- US 78926606 P 20060404
- US 78937706 P 20060404

Abstract (en)  
[origin: WO2007114995A1] The invention generally relates to multimedia data processing, and more particularly, to processing operations performed prior to or in conjunction with data compression processing. A method of processing multimedia data includes receiving interlaced video frames, obtaining metadata for the interlaced video frames, converting the interlaced video frames to progressive video using at least a portion of the metadata; and providing the progressive video and at least a portion of the metadata to an encoder for use in encoding the progressive video. The method can also include generating spatial information and bi-directional motion information for the interlaced video frames, and generating progressive video based on the interlaced video frames using the spatial and bi-directional motion information.

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Citation (search report)  
See references of WO 2007114995A1

Citation (examination)  

- US 6970513 B1 20051129 - PURI ATUL [US], et al
- JP 2000287173 A 20001013 - TOSHIBA CORP
- US 2003219160 A1 20031127 - SONG BYUNG-CHEOL [KR], et al

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**WO 2007114995 A1 20071011**; AR 060254 A1 20080604; CN 104159060 A 20141119; CN 104159060 B 20171024; EP 2002650 A1 20081217; JP 2009532741 A 20090910; JP 2013031171 A 20130207; JP 2015109662 A 20150611; JP 5897419 B2 20160330; JP 6352173 B2 20180704; KR 101019010 B1 20110304; KR 101127432 B1 20120704; KR 101373896 B1 20140312; KR 101377370 B1 20140326; KR 20090006159 A 20090114; KR 20100126506 A 20101201; KR 20110128366 A 20111129; KR 20120091423 A 20120817; KR 20140010190 A 20140123; TW 200803504 A 20080101

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**US 2007063929 W 20070313**; AR P070101371 A 20070330; CN 201410438251 A 20070313; EP 07758479 A 20070313; JP 2009504372 A 20070313; JP 2012162714 A 20120723; JP 2014263408 A 20141225; KR 20087026885 A 20070313; KR 20107022928 A 20070313; KR 20117026505 A 20070313; KR 20127017181 A 20070313; KR 20137034600 A 20070313; TW 96110382 A 20070326