

<b>PATENT ASSIGNMENT COVER SHEET</b>
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 Stylesheet Version v1.2

EPAS ID: PAT6509214

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	MERGER
<b>EFFECTIVE DATE:</b>	08/01/2018
<b>SEQUENCE:</b>	1

**CONVEYING PARTY DATA**

Name	Execution Date
TOSHIBA MEMORY CORPORATION	08/01/2018

**RECEIVING PARTY DATA**

<b>Name:</b>	K.K. PANGEA
<b>Street Address:</b>	PALACE BUILDING 5TH FLOOR, 1-1, MARUNOUCHI 1-CHOME, CHIYODA-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN

**PROPERTY NUMBERS Total: 5878**

Property Type	Number
Patent Number:	10741421
Patent Number:	10418107
Patent Number:	10658162
Patent Number:	10529733
Patent Number:	10741650
Patent Number:	10673465
Patent Number:	10304737
Patent Number:	10777459
Patent Number:	10468334
Patent Number:	10566311
Patent Number:	10333558
Patent Number:	10204680
Patent Number:	10431299
Patent Number:	10796754
Patent Number:	10362261
Patent Number:	10332581
Patent Number:	10367054
Patent Number:	10199391
Patent Number:	10128316

**PATENT**

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Patent Number:	10347652
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Property Type	Number
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Patent Number:	10403381
Patent Number:	10304902
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Property Type	Number
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Patent Number:	7330372
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Property Type	Number
Patent Number:	6977404
Patent Number:	6657891
Patent Number:	6876578
Patent Number:	6925004
Patent Number:	7016226
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Patent Number:	7315471
Patent Number:	7443724
Patent Number:	7593260
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Patent Number:	7813174
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Patent Number:	8310871
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Patent Number:	9881681
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Patent Number:	10418117
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Patent Number:	6949779
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<b>Property Type</b>	<b>Number</b>
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Patent Number:	8211785
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Patent Number:	6908801
Patent Number:	7081386
Patent Number:	7541233
Patent Number:	7091624
Patent Number:	7138297
Patent Number:	6803619
Patent Number:	6919595
Patent Number:	7214595
Patent Number:	6933606
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Patent Number:	7061097
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Patent Number:	7297594
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<b>Property Type</b>	<b>Number</b>
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Patent Number:	7099193
Patent Number:	7076394
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Patent Number:	6952027
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Patent Number:	7840960
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Patent Number:	7301806
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Patent Number:	7622774
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Patent Number:	7672158
Patent Number:	7940562
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Patent Number:	6967894
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Patent Number:	7304730
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Patent Number:	8679916
Patent Number:	7705391
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Patent Number:	7709347
Patent Number:	7781293
Patent Number:	7561385
Patent Number:	7366042
Patent Number:	7054195
Patent Number:	7501332
Patent Number:	7095124
Patent Number:	7427158
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Patent Number:	7348192
Patent Number:	7439503
Patent Number:	7023752
Patent Number:	7412671
Patent Number:	7202569
Patent Number:	7278001
Patent Number:	7404031
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<b>Patent Number:</b>	9142299
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<b>Patent Number:</b>	9627048
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<b>Patent Number:</b>	10431297
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<b>Patent Number:</b>	7719117

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Patent Number:	7491945
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Patent Number:	7379324
Patent Number:	7269059
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Patent Number:	7315073
Patent Number:	7645674
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Patent Number:	8728903
Patent Number:	7057942
Patent Number:	7227788
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Patent Number:	8539140

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Patent Number:	9026723
Patent Number:	RE47638
Patent Number:	8423679
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Patent Number:	8671227
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Patent Number:	7615485
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Patent Number:	7339257
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Patent Number:	7519876
Patent Number:	8513140
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Patent Number:	7310269
Patent Number:	7440325
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Patent Number:	7929352

<b>Property Type</b>	<b>Number</b>
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Patent Number:	8625356
Patent Number:	7312158
Patent Number:	7658859
Patent Number:	8073316
Patent Number:	7214576
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Patent Number:	8076226
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Patent Number:	8139407
Patent Number:	7379331
Patent Number:	7423728
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Patent Number:	8705261
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Patent Number:	7810727
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Patent Number:	8397990
Patent Number:	8596548
Patent Number:	8827167
Patent Number:	9052843
Patent Number:	RE47543
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Patent Number:	8232197
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Patent Number:	7504625
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Patent Number:	7831794
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Patent Number:	7890729
Patent Number:	8924678
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<b>Property Type</b>	<b>Number</b>
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Patent Number:	7984390
Patent Number:	7952162
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Patent Number:	8609487
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Patent Number:	8310896
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Patent Number:	7529131

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Patent Number:	7719056
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Patent Number:	7721239
Patent Number:	7521999
Patent Number:	7636015
Patent Number:	8710573
Patent Number:	7505318
Patent Number:	7649763
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Patent Number:	8236641
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<b>Property Type</b>	<b>Number</b>
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Patent Number:	7739560
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Patent Number:	7732277

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Patent Number:	7558148
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Patent Number:	7580315
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<b>Property Type</b>	<b>Number</b>
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Patent Number:	7521309
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Patent Number:	7791967
Patent Number:	7989794
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Patent Number:	7916541
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Patent Number:	8086107
Patent Number:	7915647
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Patent Number:	7738313
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<b>Property Type</b>	<b>Number</b>
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Patent Number:	7872353
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Patent Number:	7619914



<b>Property Type</b>	<b>Number</b>
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<b>Patent Number:</b>	8450787
<b>Patent Number:</b>	7778078
<b>Patent Number:</b>	7910914
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Patent Number:	8369127
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Patent Number:	8085577

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Patent Number:	8174890
Patent Number:	8238156
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Patent Number:	RE47815
Patent Number:	RE46957
Patent Number:	8189401
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Patent Number:	8448051
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Patent Number:	8395922
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Patent Number:	8603865
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Patent Number:	8612824
Patent Number:	8908859
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Patent Number:	8437197
Patent Number:	8536061

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Patent Number:	8455346
Patent Number:	8729517
Patent Number:	8558576
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Patent Number:	8575030
Patent Number:	8338287
Patent Number:	8559236
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Patent Number:	8502298
Patent Number:	8559226
Patent Number:	8488367
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Patent Number:	8576605
Patent Number:	8331177
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Patent Number:	8825923
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Patent Number:	RE47659
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Patent Number:	8638623
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Patent Number:	8866119
Patent Number:	9250542
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Patent Number:	8791517
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Patent Number:	8959415
Patent Number:	9336085

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<b>Property Type</b>	<b>Number</b>
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Patent Number:	9224875
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Patent Number:	8867277
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Patent Number:	9239758
Patent Number:	9264070
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Patent Number:	9870155
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Patent Number:	9530499
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Patent Number:	8924820
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Patent Number:	8765362
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Patent Number:	9424906
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Patent Number:	10147878
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Patent Number:	9626128
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Patent Number:	9236329



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Patent Number:	9218859
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Patent Number:	9224459

Property Type	Number
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<b>Patent Number:</b>	9459961
<b>Patent Number:</b>	9218867
<b>Patent Number:</b>	9778978
<b>Patent Number:</b>	9142293
<b>Patent Number:</b>	9349449
<b>Patent Number:</b>	9123878
<b>Patent Number:</b>	9111859
<b>Patent Number:</b>	9412455

Property Type	Number
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Patent Number:	9136007
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Patent Number:	9159439
Patent Number:	9472296
Patent Number:	9087597
Patent Number:	9361998
Patent Number:	9171623
Patent Number:	9099443
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Patent Number:	9136252
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Patent Number:	9263319
Patent Number:	9012973
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Patent Number:	9347620
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Patent Number:	9685236
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Patent Number:	9208848
Patent Number:	9460785
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Patent Number:	9367076
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Patent Number:	9552861
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Patent Number:	10381549

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<b>NAME OF SUBMITTER:</b>	HELEN BIRRELL
<b>SIGNATURE:</b>	/IPR/TOSHIBA IPR2021-001/MG5878PT/
<b>DATE SIGNED:</b>	01/22/2021

**Total Attachments: 5**

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- source=1. Merger doc - Toshiba to KK Pangea#page2.tif
- source=1. Merger doc - Toshiba to KK Pangea#page3.tif
- source=1. Merger doc - Toshiba to KK Pangea#page4.tif
- source=1. Merger doc - Toshiba to KK Pangea#page5.tif

I, Mitsunobu Sato of Toranomon East Bldg., 7-13, Nishi-Shimbashi 1-chome, Minato-ku, Tokyo, Japan, do hereby certify that I am conversant with the English and Japanese languages and am a competent translator thereof, and I further certify that to the best of my knowledge and belief the following is a true and correct translation made by me of the document(s) in the Japanese language attached hereto.

Signed this 18th day of March 2019.

A handwritten signature in black ink, consisting of several overlapping, horizontal strokes that form a dense, scribbled shape. The signature is positioned above a solid horizontal line.

Mitsunobu Sato

CERTIFICATE OF PARTIAL CLOSED ITEMS

Toshiba Memory Corporation  
 Palace Building 5<sup>th</sup> Floor, 1-1, Marunouchi 1-Chome, Chiyoda-ku, Tokyo

Corporate registration no.	0100-01-184349	
Trade name	<u>K.K.Pangea</u>	
	Toshiba Memory Corporation	Changed on August 1, 2018
		Registered on August 1, 2018
Head office	Palace Building 5 <sup>th</sup> Floor, 1-1, Marunouchi 1-Chome, Chiyoda-ku, Tokyo	
Method of making public notice	<u>Public notices shall be entered in the Official Gazette.</u>	
	Public notices shall be entered in the Nikkan Kogyo Shimbun	Changed on May 29, 2018
		Registered on May 29, 2018
Date of incorporation	June 16, 2017	
Absorption-type merger	Toshiba Memory Corporation, 1-1, Shibaura 1-chome, Minato-ku, Tokyo, was merged into this company on August 1, 2018 Registered on August 1, 2018	
Matters related to company with a board of directors	This company has established a board of directors. Established on June 1, 2018 Registered on June 7, 2018	
Matters related to company with auditors	This company has established the position of auditor Established on June 1, 2018 Registered on June 7, 2018	
Matters related to company with a board of auditors	This company has established a board of auditors Established on June 1, 2018 Registered on June 7, 2018	
Matters related to company with an accounting auditor	This company has established the position of accounting auditor Established on June 1, 2018 Registered on June 7, 2018	
Matters related to record of registered items	Record of registered items established Registered on June 16, 2017	
	The head office moved to 1-1, Shibaura 1-chome, Minato-ku, Tokyo on August 1, 2018 Registered on August 8, 2018 Closed on August 8, 2018	

Toshiba Memory Corporation

Palace Building 5<sup>th</sup> Floor, 1-1, Marunouchi 1-Chome, Chiyoda-ku, Tokyo

This document certifies some of the matters entered in the register that are closed.

March 7, 2019

Kazunari Otaki (official seal)

Registrar

Tokyo District Legal Affairs Bureau

閉鎖事項一部証明書

東京都千代田区丸の内一丁目1番1号パレスビル5階  
東芝メモリ株式会社

会社法人等番号	0100-01-184349		
商号	株式会社Pangea		
	東芝メモリ株式会社	平成30年	8月1日変更
		平成30年	8月1日登記
本店	東京都千代田区丸の内一丁目1番1号パレスビル5階		
公告をする方法	官報に掲載する方法により行う。		
	当社の公告は、日刊工業新聞に掲載する方法により行う。	平成30年	5月29日変更
		平成30年	5月29日登記
会社成立の年月日	平成29年6月16日		
吸収合併	平成30年8月1日東京都港区芝浦一丁目1番1号東芝メモリ株式会社を合併 平成30年 8月 1日登記		
取締役会設置会社に関する事項	取締役会設置会社	平成30年 6月 1日設定	平成30年 6月 7日登記
監査役設置会社に関する事項	監査役設置会社	平成30年 6月 1日設定	平成30年 6月 7日登記
監査役会設置会社に関する事項	監査役会設置会社	平成30年 6月 1日設定	平成30年 6月 7日登記
会計監査人設置会社に関する事項	会計監査人設置会社	平成30年 6月 1日設定	平成30年 6月 7日登記
登記記録に関する事項	設立	平成29年	6月16日登記
	平成30年8月1日東京都港区芝浦一丁目1番1号に本店移転	平成30年	8月 8日登記 平成30年 8月 8日閉鎖



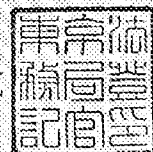
東京都千代田区丸の内一丁目1番1号パレスビル5階  
東芝メモリ株式会社

これは登記簿に記載されている閉鎖された事項の一部であることを証明した書面である。

平成31年 3月 7日

東京法務局  
登記官

大 滝 和 成



整理番号 ア971542

\* 下線のあるものは抹消事項であることを示す。

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PATENT

RECORDED: 01/22/2021

REEL: 055659 FRAME: 0631