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(12)

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(51) . Int. Cl.⁷
G06F 13/00
G06F 15/16

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(43)

10-2004-0101537
2004 12 02

(21)	10-2004-7016784		
(22)	2004 10 19		
	2004 10 19		
(86)	PCT/US2003/012104	(87)	WO 2003/090090
(86)	2003 04 18	(87)	2003 10 30

(30)	60/373,893	2002 04 19	(US)
	10/417,028	2003 04 15	(US)

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	, 11749,	,	,

(72)	,	,	,	8030
	60047			

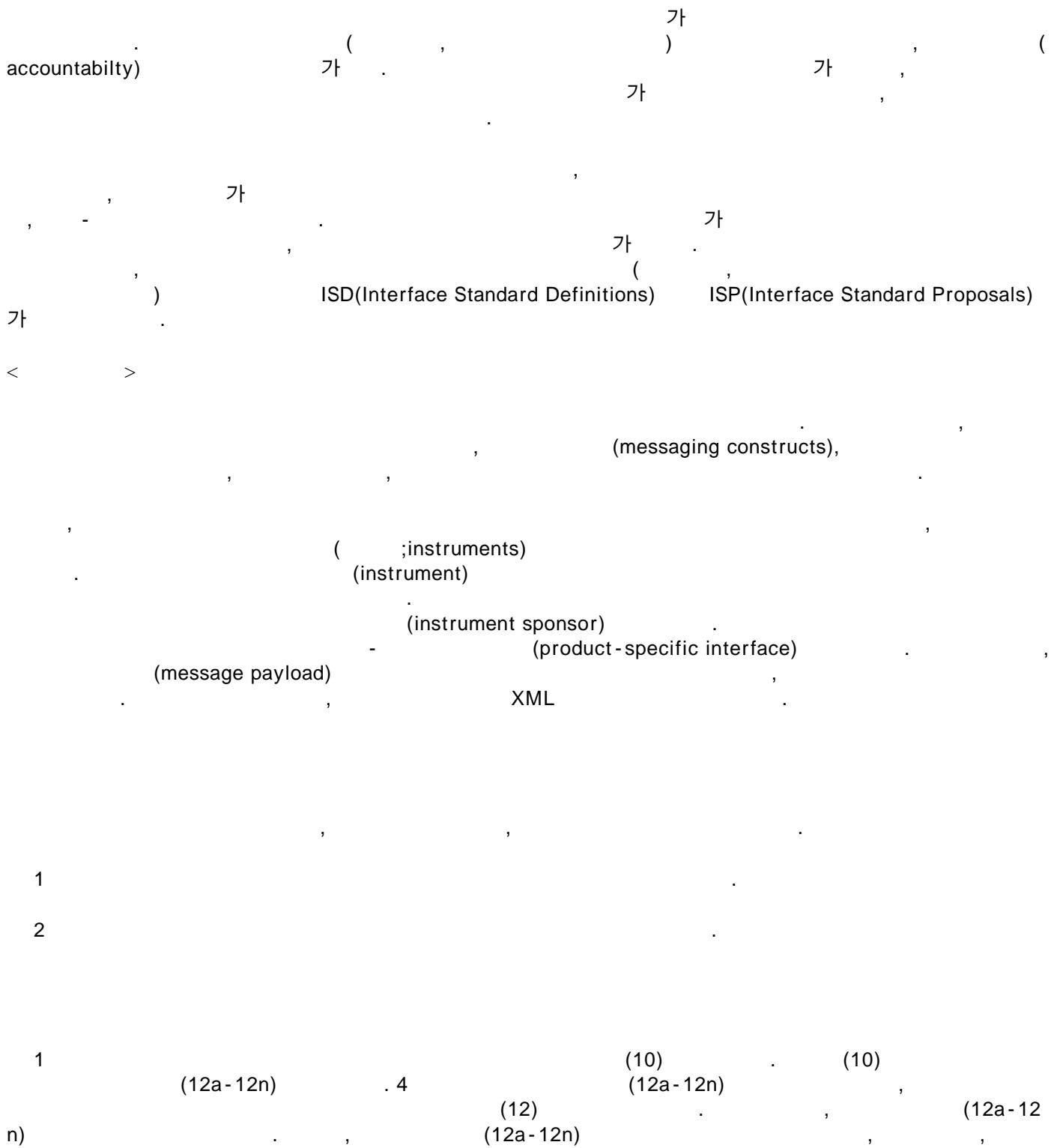
,	,	80021	422	11837
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,	,	11780	5
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(74)

(54)

()



(12a-12n) (14) (14) ,
(12a-12n) (16a-16n) (16a-16n)
;object request broker) . , (14) , (16a-16n)
-16n) 가 (central conduit) 3 (16a-16n)
가 , 가 (16a-16n) (16) 가
, (16a-16n) (12a-12n) (14)
. (16a-16n) , (14) (16a-16n)
, (16a-16n) , (14) (executabl
e instantiation)

, (portlets)

(18a-18p:instrumentation layer)

(18a-18n)

(20)

(12a-12n)

(10)

e MArkup Language)
'XML

XML(Extensibl
(XML ,

(query and formatting criteria)

XML

HTTP 1.1

(12a-12n)

(19)

,
HTTPS 1.1

(20)

(19) (, 20)
/ (12a-12n)
MAN(metropolitan area networks) WAN(wide area networks)

(14) , (20)

, (16a-16n) () (18a-18n)
, (16a-16n) () (16a-16n)
() (16a-16n) () ()


```
Loadlib( bebSubAjent.dll)
Beb.InvokeSub( "TINIT")
wait for inbound data
if for bebAgent
    beb.InvokeSub("INVOKE",ib, ob);
    scndRply( ob );
    beb.InvokeSub("FREE", ob);
    continue;
```

(14)

(16a-16n)

```
fn: bebSubAjent.dll
long __declspec( dllexport ) __cdecl InvokeSub(
    PCHAR szFunction,
    ...
)
{
    va_list argptr;
```

```
if ( strcmp( szFunction, "INITIALIZE" ) == 0 ){
    return ( ss.Initialize() );
}

else if ( strcmp( szFunction, "TERMINATE" ) == 0 ){
    return ( ss.Terminate() );
}

else if ( strcmp( szFunction, "INVOKE" ) == 0 ){
    char* ibXml;
    char** obXml;
    va_start( argptr, szFunction );
    ibXml = va_arg( argptr, char* );
    obXml = va_arg( argptr, char** );
    va_end( argptr );
    return ( ss.Invoke( ibXml, obXml ) );
}

else if ( strcmp( szFunction, "FREE" ) == 0 ){
    char* obj;
    va_start( argptr, szFunction );
    obj = va_arg( argptr, char* );
    va_end( argptr );
    return ( ss.Free( obj ) );
}

return 400;
}
```

(14) (16a-16n) (, XML ,) (16a-16n)

accepts

<Method=describe/>

returns:

<Version=string/>

<ProdInterfaceInfo=(ProdInterface Type*)

<PlatformInfo=string/>

<CanIssueAsyncNotify=string/> (y,n)

<ReqDTDVersionID=(Version*) Version of Request

DTD this instrument sponsor supports

<RespDTDVersionID=(Version*) Version of

Response DTD this instrument sponsor supports

ProdInterfaceType(ProdName,Release,SubStat,

Active)

Name CDATA Required

Release CDATA Required

SubStat Number (1,0) (1=instrument

sponsor installed, 0=instrument sponsor
not installed)

Active Number (1,0) (1=Active,
0=Inactive)

Version(VersionInfo)

VersionInfo CDATA

'AsyncNotifySetDestination' , (16a-16n)가

(16a-16n) AsyncNotifySetDestination

accepts <Method=AsyncNotifySetDestination>

<AsyncNotifySetDestinationType=string/>

(trap,http)

<AsyncNotifySetDestinationTargets=string/>

(machine namelip addr, port ; machine
namelip addr, port; etc.)

<AsyncNotifySetDestinationPort=string/> (port)

returns <AsyncNotifySetDestinationStatus=string/>

(success, failure)

<AsyncNotifySetDestinationReason=string/>

(explanation for failure)

'ShowGrammar'

ShowGrammar

accepts

```
<Method>ShowGrammar/>
```

returns:

```
<ResponseType=string/> (URL, DTD, SCHEMA)
<ResponseGrammar=string/>
```

'Init'

```
,
```

Init

accepts

```
<Method>Term/>
```

returns:

```
<InitStatus=string/>
```

'Term'

```
      (shutdown)
      가 (      ,
,
```

Term

accepts

```
<Method>Term/>
```

returns:

```
<InitStatus=string/>
```

'Configure'

```
      가
,
```

Configure

```
      ,
      Configure      가
,
```

accepts

```
<Method>ConfigureSub/>
<ConfigurePolarity=(ConfigPolarity*)
<ConfigureSetting=(ConfigureVariable*)
```

returns:

```
<ConfigureStatus=string/> (success,
                           failure)
<ConfigureStatusReason=string/> (explanation
                           for failure)
```

ConfigurePolarity(Polarity)

Polarity Number (1,0) (0=Get, 1=Set)

Polarity CDATA (Valid values are get or set)

ConfigureVariable(VarName, VarValue)

VarName CDATA

VarValue CDATA

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(describe)

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